SAMSUNG

Basic Model : DV-530K/DV-430

DV750K(DV735K)/DV550K(DV535K)/ DV450(DV435)/DV532KV

CHANGE NOTES.

Reference table of contents

SERVICE Manual

SUPPLEMENT-1

Supplement to the Service Manual DV-750K(DV735K)/ DV550K(DV535K)/DV450(DV435)/DV532KV

This supplement contains change notes differing from the Service Manual DV-530K/ DV-430 use both this supplement and the Service Manual part number 14739-0090-00.

* TABLE OF CONTENTS

1. Wiring Diagram ····· 1
2. Block Diagram ····· 3
3. Schematic ····· 5
4. PCB Diagram ····· 15
5. Electrical parts list ····· 18
6. Exploded view and parts list ····· 28
7. Troubleshooting ····· 33

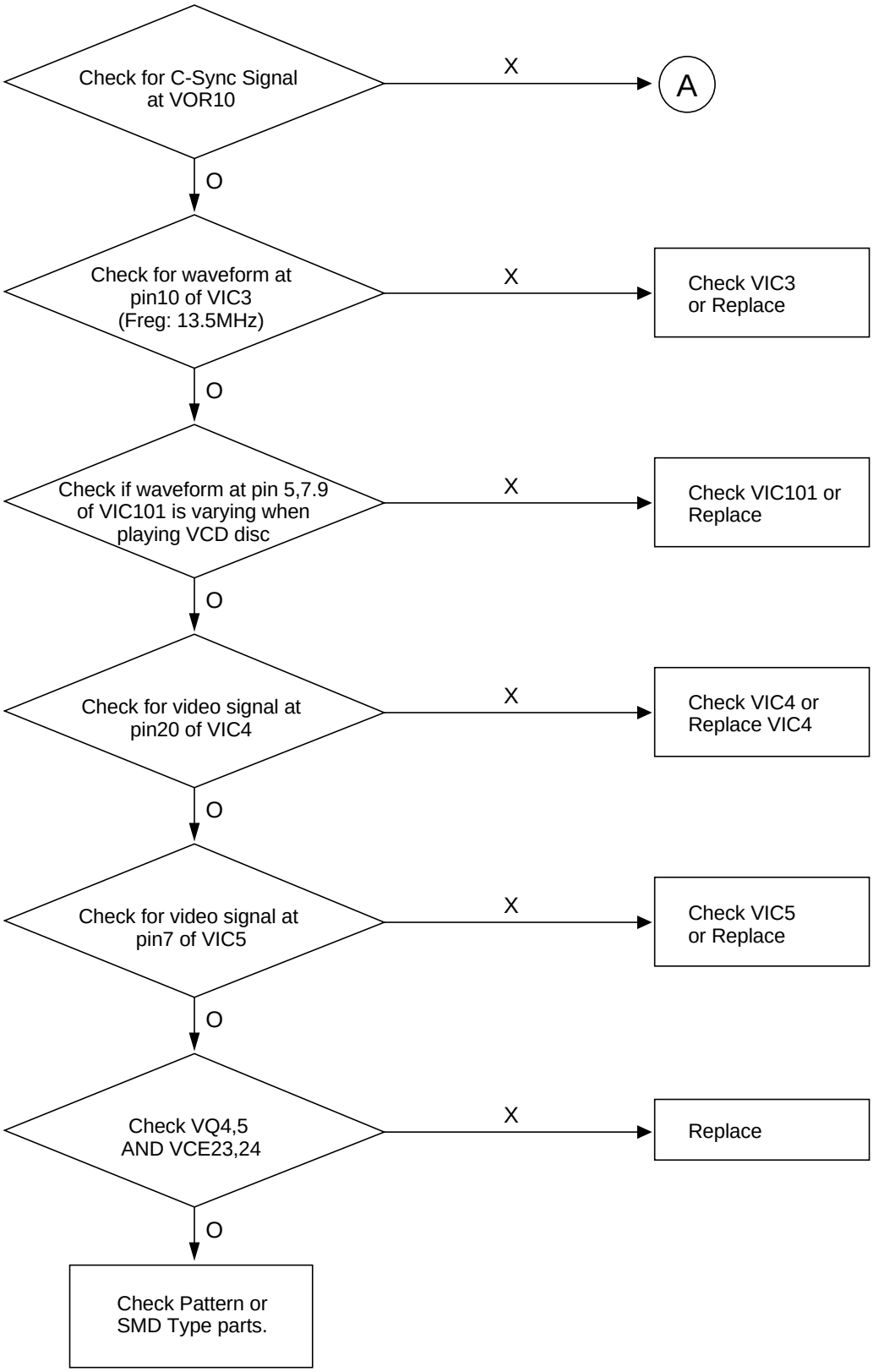
Code No. 14739-0128-00

• Samsung Electronics Co., Ltd. OCT. 1994 14739-0091-01

7. Troubleshooting (Option-DV-532KV)

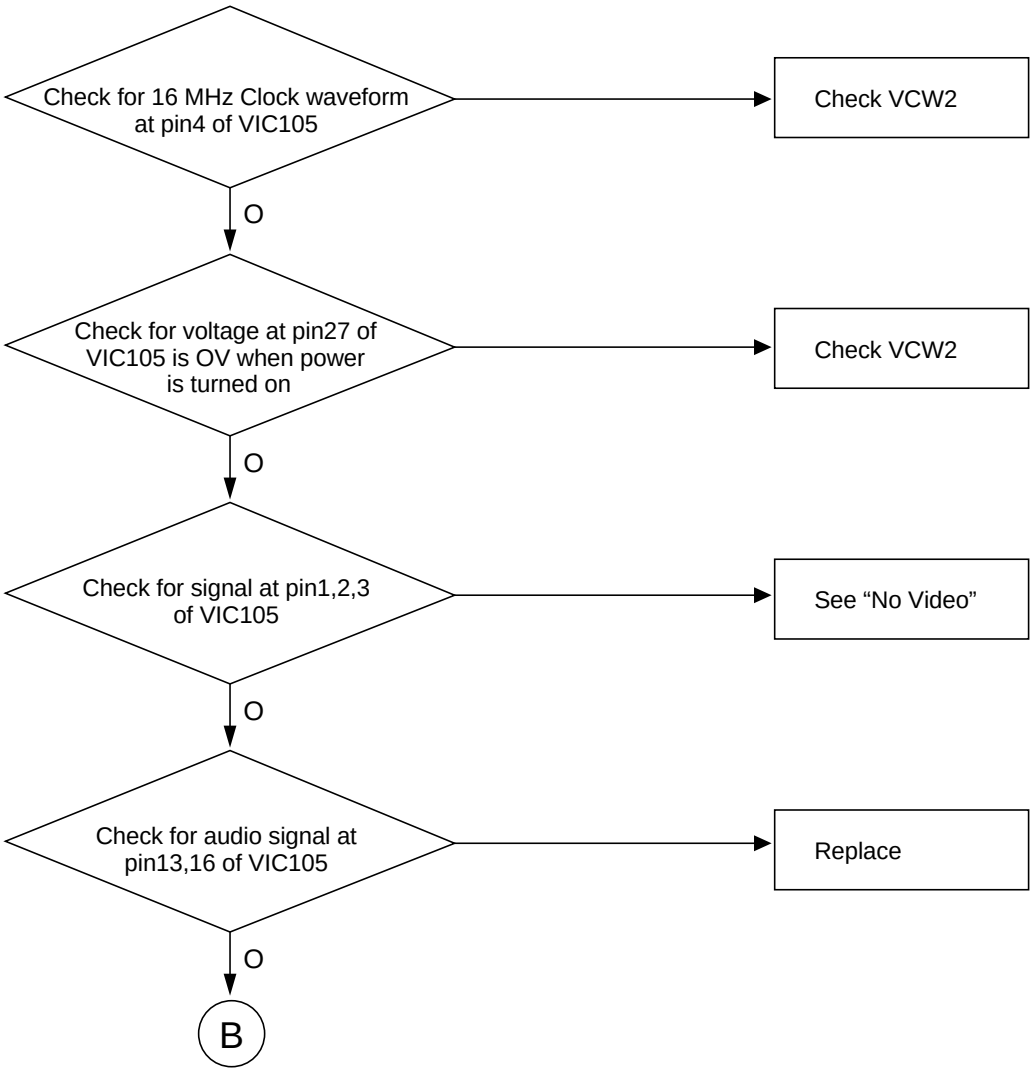
• Check all connection between VCD PCB and Main PCB
• Check all supply voltage (+8V, -8V, +5V, +3.3V)

1. No Video

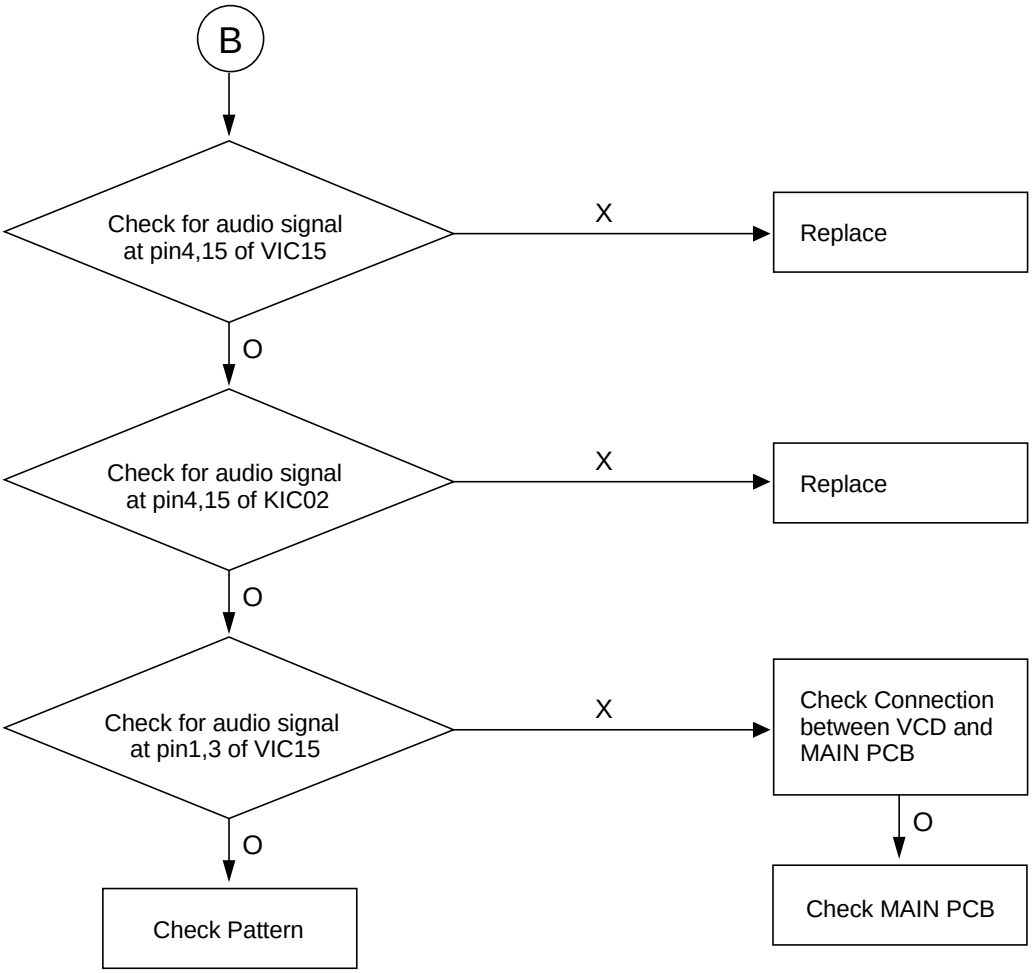


2. No Sound

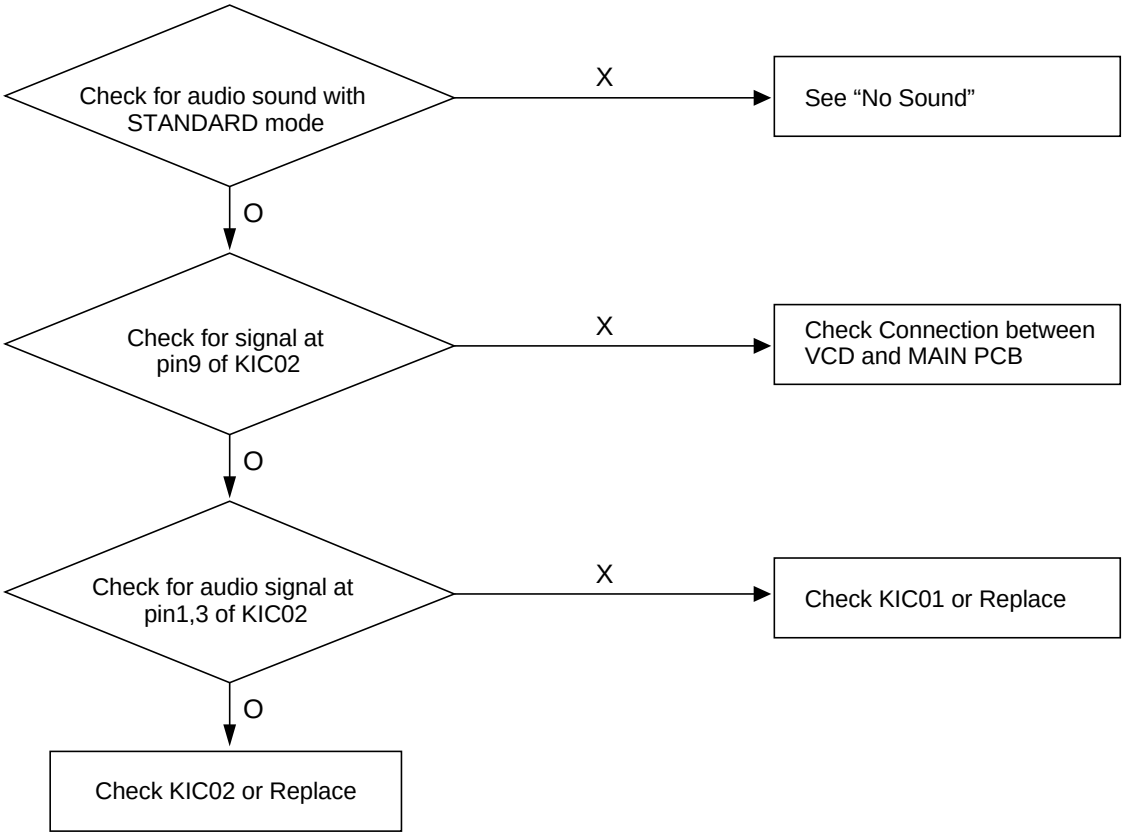
! Digital Sound (VCD1.1, VCD2.0, CD, LD Digital)


Check for 16 MHz Clock waveform at pin4 of VIC105
Check VCW2
O
Check for voltage at pin27 of VIC105 is OV when power is turned on
Check VCW2
O
Check for signal at pin1,2,3 of VIC105
See “No Video”
O
Check for audio signal at pin13,16 of VIC105
Replace
O
B

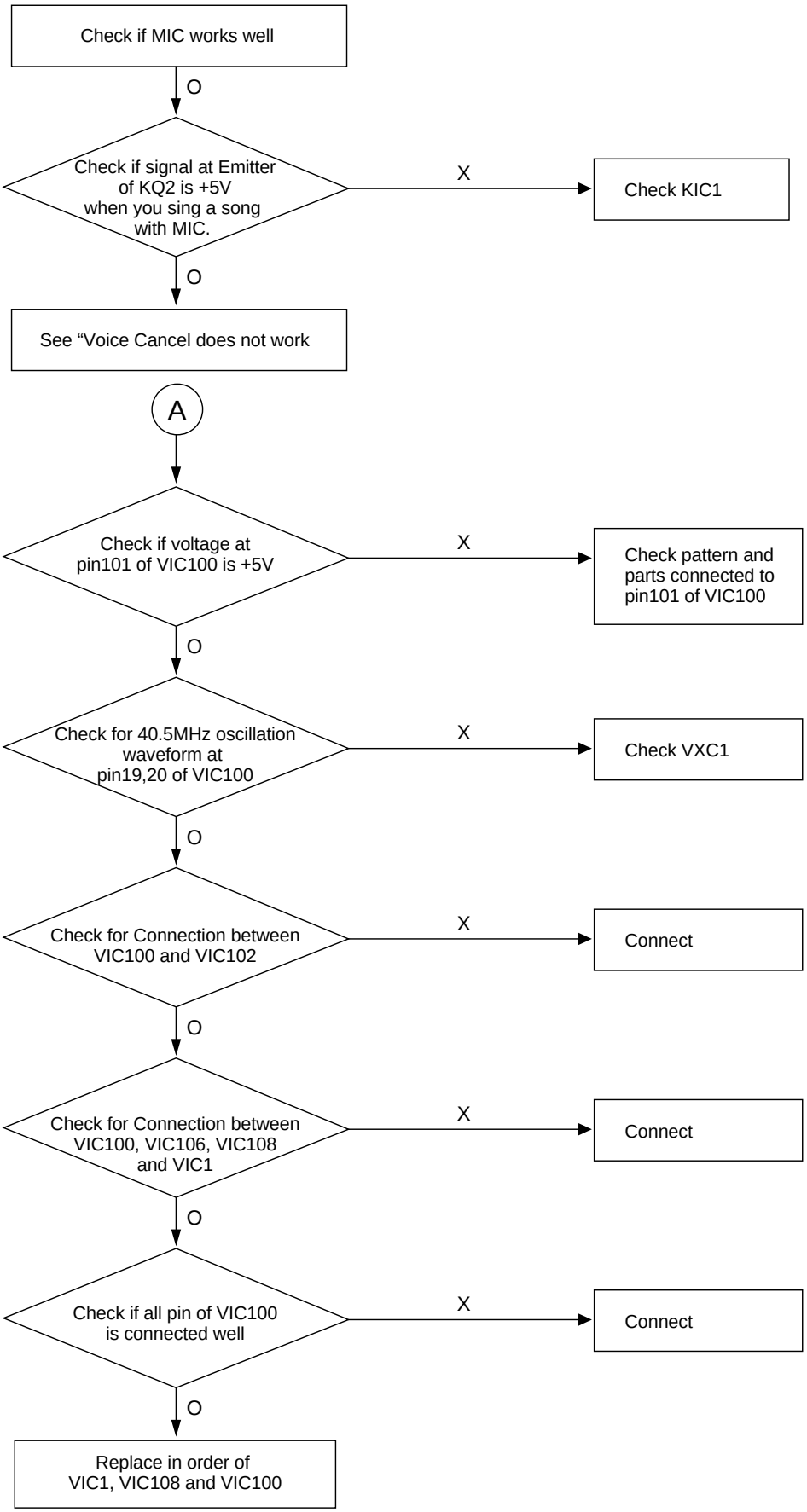
@ Analog Audio (LD Analog)



3. Voice Cancel does not work

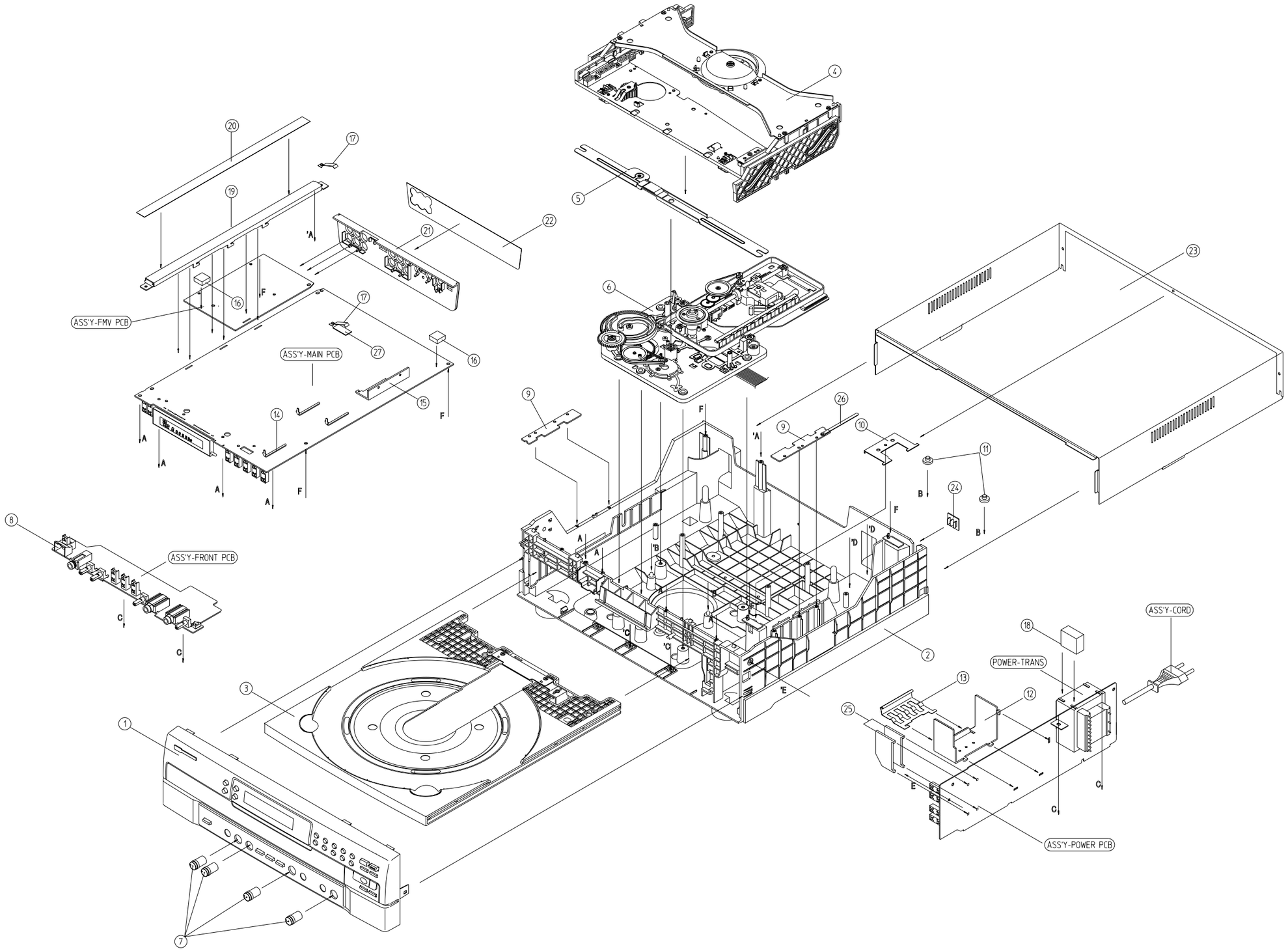


4. Voice change does not work

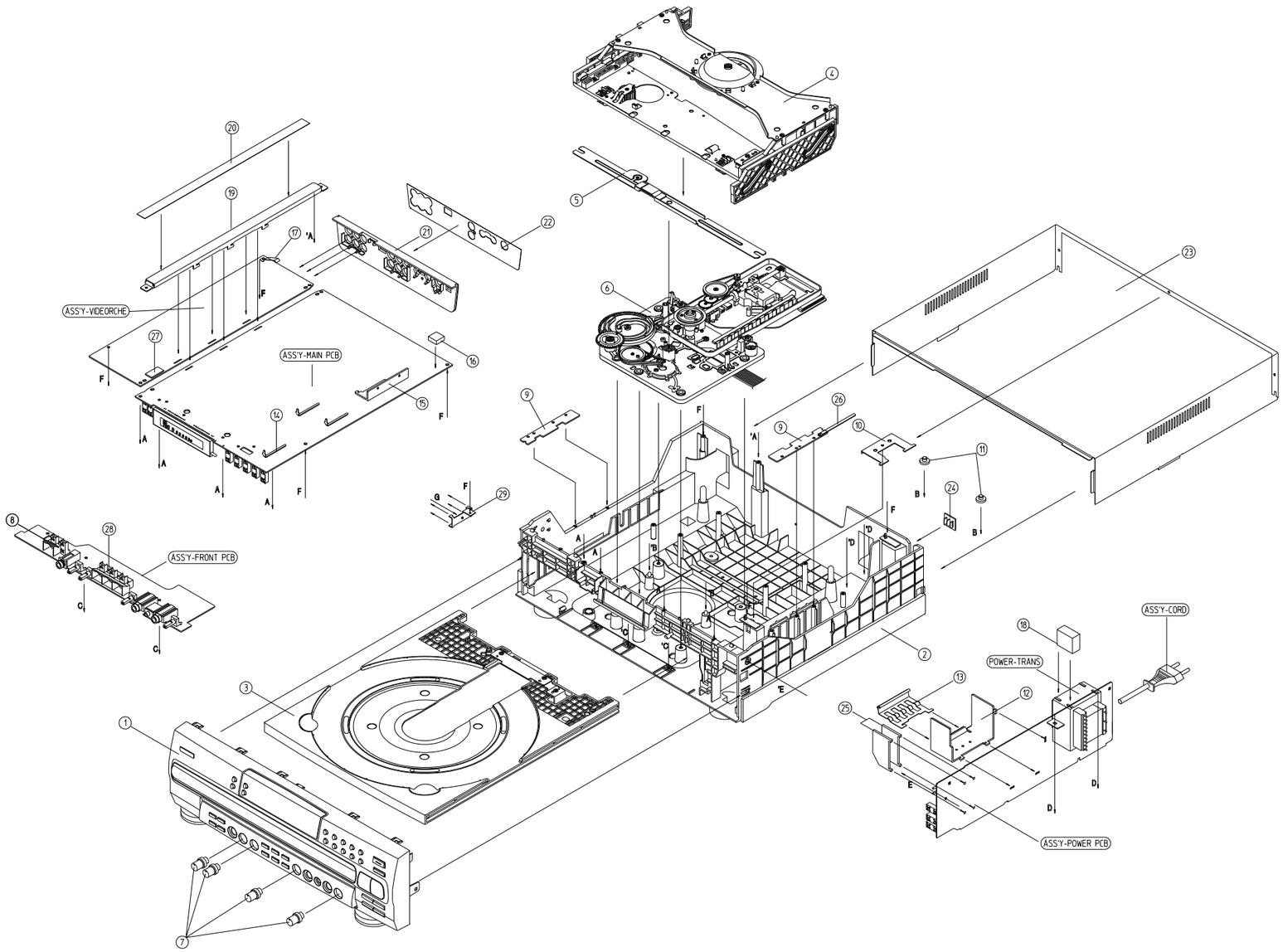


6. Exploded View and Parts List

6-1 Explded View(DV532KV)



6-2 Explded View(DV735K/DV535K/DV435)



5. Electrical parts list

5-1. Main common

LOCATION	CODE NO.	DESCRIPTION and SPECIFICATION	Q'TY	REMARK
MIC1 (OPTION)				
	B4002-0714	IC-MCU ;LC866232A DV735K/EXP	1	
	B4002-0716	IC-MCU ; LC866232A DV535K/EXP	1	
	B4000-0017	IC-OTP ; LC866232A V-CD	1	
VIC2	A4012-0379	IC-LINEAR ; KA9413 QFP DVSP(1)	1	
SIC6	A4012-0404	IC-LINEAR ; KA9421-01 QFP SSP	1	
TIC2	12119-101-520	IC-PHASE COMPARATOR ; TC5081AP	1	
SIC2,3, TIC1,3	12119-401-300	IC-OP AMP ; BA4560F-T2	4	
VIC1	A4012-0208	IC-LINEAR ; KSO118 QFP GENLOCK	1	
XIC6	A4012-0211	IC-LINEAR ; KA9401 QFP ASP	1	
XIC8	A4012-0292	IC-LINEAR ; KS9283 QFP DSP+DPLL	1	
VIC3	A4012-0380	IC-LINEAR ; KA9414D QFP VSP	1	
MIC2,3	B4004-0080	IC-LOGIC ; TC4094 BP/MC4094BCP	2	
SIC4,5	B4008-0683	IC-DRIVE ; LA6510 SIP	2	⚠
XIC9	B4012-0381	IC-LINEAR ; PCM 1/10µ SOP D/A CONVERTOR	1	
VR145	11018-377-181	R-CARBON ; RD0.5T 180-J	1	
SR6	11018-377-220	R-CARBON ; RD0.5T 22-J	1	
SR11,12	11018-377-229	R-CARBON ; RD0.5T 2.2-J	2	
MQ1A	11139-801-040	TR-CHIP ; KSR1102 (R02)	1	
MQ1,6, VQ32	11139-801-050	TR-CHIP ; KSR 2102 (R52)	3	
VQ5	11139-801-060	TR-CHIP ; KSR 2104 (R54)	1	
VQ10A, 11	11139-901-012	TR-CHIP ; KSR 1104	2	
SVR7	11249-102-014	VR-SEMI TAPE-H ; EVN CYA/EVN	1	
SVR2	11249-102-024	VR-SEMI TAPE-H ; EVN CYA/EVN	1	
SVR4,5,6	11249-102-034	VR-SEMI TAPE-H ; EVN CYA/EVN	3	
SVR1	11249-102-044	VR-SEMI TAPE-H ; EVN CYA/EVN	1	
VVR1, VVR2	11249-102-064	VR-SEMI TAPE-H ; EVN CYA/EVN	2	
TC5,10	11505-713-154	C-POLYESTER ; TAPING M50V 0.15MF	2	
TC9	11505-713-183	C-POLYESTER ; TAPING M50V 0.018M-J	1	
TC8	11505-713-563	C-POLYESTER ; TAPING M50V 0.056M-J	1	
TC3	11505-714-222	C-POLYESTER ; TAPING M50V 0.0022M-K	1	
SC29,41, TC4,12	11517-213-224	C-FILM ; CQ921 TM50V. 0.22M-J	4	
MC3	11608-102-102	C-ELECTROLYTIC ; SHL 10V 1000M	1	
XC1, 2A, VC96, 97, XC25	11608-102-471	C-ELECTROLYTIC ; SMS, 10V 470M	5	
XC19, 20, 22	11608-103-221	C-ELECTROLYTIC ; SMS, 16V 220M	3	
DC10, 11, VC65A	11608-153-101	C-ELECTROLYTIC ; SRA, 16V 100M	3	
SC31	11608-206-479	C-ELECTROLYTIC (NP) ; SMS, 50V 4.7M	1	
VCTC1	11829-512-030	C-TRIMMER ; TZ03R 20PF	1	
TQ1, 39	12139-601-120	FET ; 2SK 184-Y	2	
SQ1	12149-305-100	TRANSISTOR ; MJE 171/172	1	
TQ2	12159-301-780	TR DIGITAL ; KSR 1003/KRC103M	1	
XZD1, SD1	12169-403-310	DIODE-ZN ; 0.5W, 5.1V	2	
SZD1	12169-403-490	DIODE-ZN ; 3.9V	1	
VZD2, VZD1	12169-404-770	DIODE-ZN ; 500mW 3.6V	2	

LOCATION	CODE NO.	DESCRIPTION and SPECIFICATION	Q'TY	REMARK
XD3,4	12169-501-220	DIODE-VARICAP ; ISV 70A	2	
VVC1	12169-501-230	DIODE-VARICAP ; SVC-321-SPC1	1	
XL319, 321	12429-211-681	CHOCK-COIL ; AXIAL RES-1 Q40	2	
SL3	12429-311-181	COIL-CHOCK ; AX 180μH-02	1	
VL11	12429-411-101	COIL-CHOCK ; 100μH-02	1	
XFL1	A1240-0115	LC-FILTER BP 2.3/2.81M SFR-4254-08	1	
SC8, 25, 38	A1102-0164	C-FILM ; CF922 P 63V, 104-J	3	
VX1	A1280-0009	CRYSTAL ; 14.31818MHz 30PPM	1	
XX1	A1280-0098	CRYSTAL ; 16.9344MHz 17PPM	1	
VX2	A1280-0127	CRYSTAL ; 24.576MHz 50PPM	1	
EYE	A1294-0024	MODULE-REMOCON ; ORC-638V	1	
AVJ1	A3040-0124	RCA-JACK ; PI3.5 S-438P-09.6P	1	
FLT	A4153-0052	V.F.DISPLAY ; SVA-9BS05 LDP	1	
SCW1	B6013-0069	CONNECTOR-FPC 52045-3210 WHT	1	
REJ	A3040-0051	JACK-RCA ; PI3.5S-454 3P	1	
MD8	A4150-0123	LED-LAMP ; SLR. 34MG GRN	1	(OPTION)
MD9	A4150-0124	LED-LAMP ; SLR. 34MG 0RG	1	(OPTION)
XIC3,4	12119-401-220	IC-CMOS AN/SW 4053BD	2	(OPTION)
EX1	A1280-0126	CRYSTAL 7.15909M 50PPM	1	(OPTION)
EIC2	B4004-0416	IC-LOGIC ; MC14052BCP	1	
EIC3	B4012-0421	IC-LINEAR ; M65844 SOP BULK ECHO	1	

5-2. Pal option

LOCATION	CODE NO.	DESCRIPTION and SPECIFICATION	Q'TY	REMARK
NQ01	11139-801-032	TR-CHIP ; KSC 1623	1	
NVR4	11249-102-014	VR-SEMI TAPE-HI EVN CYA/EVN	1	
NVR1	11249-102-024	VR-SEMI TAPE-HI EVN CYA/EVN	1	
NVR3	11249-102-034	VR-SEMI TAPE-HI EVN CYA/EVN	1	
NVR5	11249-102-044	VR-SEMI TAPE-HI EVN CYA/EVN	1	
NC30	11608-103-104	C-ELECTROLYTIC ; SMS 16V 100M	1	
NC23, 28	11608-103-473	C-ELECTROLYTIC ; SMS 16V 47M	1	
NCTC1	A1111-0012	C-TRIMMER, CERA ; FTA 60-13	1	
NX1	A1280-0038	CRYSTAL ; 4.433619MHz 50PPM	1	
NX2	A1280-0039	CRYSTAL ; 3.579545MHz 50PPM	1	
NVR2	B1054-0082	VR-SEMI ; EVN-DJA/EVN-CYA	1	
NFL4	B1146-0067	ELT 10Z 367, 0.60μs	1	
NIC1	B4008-0907	IC-VIDEO S/W ; NJM 2233 BMSOP	1	
NIC2	B4012-0040	IC-LINEAR ; CXA 1229P NTSC/PAL ENC	1	
NIC3	B4012-0039	IC-LINEAR ; CXA1228S NTSC/PAL DEC	1	

5-3. Cdg option/Caption option

LOCATION	CODE NO.	DESCRIPTION and SPECIFICATION	Q'TY	REMARK
GC10	11447-910-103	CONDENSOR AXIAL ; 16V EP050Y100	1	
GC1,6,9	11608-103-104	C-ELECTROLYTIC ; SMS, 16V 100M	3	
GC4	11608-153-101	C-ELECTROLYTIC ; SRA ; 16V, 100M	1	
GIC2	A4000-0154	IC-DRAM ; KM 44C 256CP-7	1	
GIC1	A4006-0024	IC-ASIC ; SRV9205CAB QFP	1	
GIC3	A4012-0151	IC-LINEAR ; KA2195D SOP ENCODER	1	
VIC6	A4012-0213	IC-LINEAR ; NJM 2248QFP V/S	1	
VIC8	B4012-0108	IC-LINEAR ; Z86228 CAPTION IC	1	

5-4. Super option/Optical option

LOCATION	CODE NO.	DESCRIPTION and SPECIFICATION	Q'TY	REMARK
VR118	11119-101-680	R-CHIP ; SCR2012 680-J	1	
VQ33	11139-801-032	TR-CHIP ; KSC 1623L	1	
SUP-J	13339-415-030	JACK-S ; TCS7927-14-4082	1	
DR10	11018-877-471	R-CARBON ; RN 1/8T 470-J	1	
XR10	11119-101-472	R-CHIP ; MCR 10.2012S 4.7K-J	1	
XC30	11129-004-103	C-CHIP CERAMIC ; SMC2012B 103K 500P	1	
OPT1	13339-415-010	JCK-OPT ; TOTX172	1	
VFL1	B1146-0013	Delay-line ; HCF 0081 1H NTSC	1	

5-5. Power

LOCATION	CODE NO.	DESCRIPTION and SPECIFICATION	Q'TY	REMARK
POWER TRANS	A1199-0086	PT 115/230V, 60/50Hz	1	⚠ (Option)
	A1199-0095	PT. 110/220V, 60Hz	1	⚠ (Option)
	A1199-0096	PT. 110/220V, 60/50Hz	1	⚠ (Option)
	A1199-0114	PT. 220V/50Hz	1	⚠ (Option)
	A1199-0148	PT 110/220V 60Hz, VCD	1	⚠ (Option)
	A1199-0121	PT. 240V/50Hz	1	⚠ (Option)
PCW1	A6006-0187	POWER CORD ; CP2 CHINA	1	⚠ (Option)
	A6006-0179	POWER CORD ; CP DOMASTIC	1	⚠ (Option)
	A6006-0262	POWER CORD ; BS HONGKONG	1	⚠ (Option)
	A6006-0200	POWER CORD ; AP AUSTLALIA	1	⚠ (Option)
	A6006-0195	POWER CORD ; EP2. UL	1	⚠ (Option)
PF1	14709-241-140	FUSE ; 250V. 0.5A 20EUR	1	⚠
PF3,4	14709-241-280	FUSE ; 250V 3.15A 20EUR	2	⚠
PF2	14709-241-200	FUSE ; 250V 1A 20EUR	1	⚠ (Option)
PR39,40	11048-477-109	R-METAL OXIDE ; 1-J MINITYPE	2	⚠
PR60	11048-477-229	R-METAL OXIDE ; 2.2-J MINITYPE	1	⚠
PR16,27,28,29,30,31,32,33	11048-477-821	R-METAL OXIDE ; 820-J MINITYPE	8	
PCEA, PCEB	11469-501-070	C-CERAMIC ; 472P VAI-KC	2	⚠
PCCA, PCCB	12429-010-330	COIL-CHOKE; 27μH-K Q30 F2R5	2	⚠
PCE 21	11607-103-682	C-ELECTROLYTIC ; SMS 16V 6800M	1	⚠ (Option)
PCE6,7	11608-102-102	C-ELECTROLYTIC ; SHL 10V 1000M	2	⚠
PCE 1,2	A1104-0346	C-ELECTROLYTIC ; CE 25V 682M	2	⚠
PCE3,4	A1104-0623	C-ELECTROLYTIC ; CE 16V 103-M	2	⚠
PIC1	12109-401-730	IC-REGULATORS ; MC7808 BF 8.5W	1	
PIC4,5	12119-401-170	IC-OP AMP ; MC4558S	2	
PIC3	12119-601-770	IC-REGULATOR ; MC 7805	1	
PIC2	12119-601-840	IC-REGULATOR ; MC 7908C	1	
PQ 1,9,11	12139-307-170	TRANSISTOR ; 2SC1740S	3	
PQ6,8,10,18	12149-102-350	TRANSISTOR ; 2SA933S	4	
PQ5	12149-301-900	TRANSISTOR ; KSC 945-Y	1	
PD1,2,3,4	12169-201-080	DIODE-RECTFIER ; IN4001, TAPE	4	
PD6,7,8,9,10,11,12,13,14,15	12169-201-090	DIODE-RECTFIER ; IN4002. TAPE	10	
PRD2	12169-219-320	DIODE-BRIDGE ; PBP203 2A 200V	1	⚠
PRD1	12169-219-330	DIODE-BRIDGE ; PBL403	1	⚠
PZD1	12169-403-910	DIODE-ZN ; 1W 11.4~12.6V	1	⚠
PZD2	12169-404-790	DIODE-ZN ; 500mW. 5.6V	1	⚠
PLED1	12309-001-450	LED ; SLR 34VR (RED)	1	
PR35,36	A1000-0505	R-METAL FILM 1/8T 103-F	2	
PR42,43	A1006-0570	R-METAL FILM 1/8T 472-F	2	
PR34,35	A1006-0829	R-METAL FILM 1/8T 123-F	2	
PL2	A1151-0025	COIL-LINE FILTER	1	⚠
PQ7	A4052-0044	TR-HIGH POWER ; KSD560-Y	1	⚠ (Option)
PQ2,3,12,13	B4052-0035	TR-HIGH POWER ; 2SB1185-F. 25W	4	⚠
PCW10 (PQ4),PQ14,15	B4052-0036	TR-HIGH POWER ; 2SD 1762-F 25W	3	⚠

5-6. Vodeorche option

LOCATION	CODE NO.	DESCRIPTION and SPECIFICATION	Q'TY	REMARK
KC10,KC26,KC17	11608-102-104	C-ELECTROLYTIC; SMS T 10V 100M	3	⚠
KC7,KC8,KC22,KC36,KC44	11608-103-103	C-ELECTROLYTIC; SMS T 16V 10M	5	
KC104,KC105,KC108,KC109	11608-103-221	C-ELECTROLYTIC; SMS T 16V 220M	4	⚠
KC6	11608-103-223	C-ELECTROLYTIC; SMS T 16V 22M	1	
KC28,KC37	11608-103-473	C-ELECTROLYTIC; SMS T 16V 47M	2	
KC65,KC66,KC106,KC107 KC103,KC150,KC151 KC152,KC201,KC100,KC101	11608-106-102	C-ELECTROLYTIC; SMS T 50V 1M	11	
KC19,KC20,KC49,KC56	11608-106-472	C-ELECTROLYTIC; SMS T 50V 4.7M	4	
KIC1	B4014-0052	IC-DSP; YSS216 QFP	1	
KIC2	A4000-0031	IC-DRAM; KM41C464-08/10 DIP	1	
KIC3	12109-401-170	IC-DAC; KDAQ316 LD	1	
KIC4	B4002-0476	IC-MCU; TMP 47P 1660VN	1	
KIC6,KIC7,KIC8,KIC9 KIC10,KIC11,KIC12,KIC13 KIC14,KIC17,KIC19,KIC20	12119-401-170	IC-OP AMP; MC4558C/KA4558	12	
KIC15	12119-401-220	IC-CMOS SW; NJU4053BD	1	
KIC16	12119-401-720	IC-SWITCHING; TC4066BP	1	
KIC5	A4004-0196	IC-LOGIC; GD74HC86DIP	1	
KCW2	A3040-0150	JACK-RCA; P13.5 S-438P-02 6P RED/WHT	1	
KD3	12169-403-660	DIODE-ZENOR; UZ3.3B	1	
KX2	14539-503-090	CERAMIC-RESONATOR; FCR 6.0M	1	

5-7-1. Front(Option-DV535K)

LOCATION	CODE NO.	DESCRIPTION and SPECIFICATION	Q'TY	REMARK
FC1,FC3,FC27,KC30,FC32	11608-103-333	C-ELECTROLYTIC;SMS T 16V 33M	5	
FC5	11608-106-109	C-ELECTROLYTIC; SMS T 50V 1M	1	
FC10, FC16	11608-106-221	C-ELECTROLYTIC; SMS T 50V 0.22		
FC28,FC31	112608-106-472	C-ELECTROLYTIC; SMS T 50V 4.7M	2	
FC11,FC17	11608-103-103	C-ELECTROLYTIC; SMS T 16V 10M	2	
FC15	11608-206-109	C-ELECTROLYTIC; SMS T 50V 1M(NP)	1	
FIC1,FIC2	12119-401-760	IC-OP AMP; NJM2068 SD	2	
FIC3	12119-401-260	IC-OP AMP;NJM4556D	1	
FL1,FL2,FL3,FL4,FL5	12429-311-220	COIL-CHOKE; AX 22UH-02	5	
FVR2,FVR3,FVR4	A1048-0016	VR-ROTARY, MOLD; RK09K1110303 20KB	3	
FVR1	B1048-0020	VR-ROTARY, MOLD; RK09K12B 20KB	1	
FSW1,FSW2,FSW3, FSW4, FSW5	A3018-0026	SW-TACK, V;SKHT27010A 22.6/8MM 2KEY	5	
FJ1, FJ2	A3040-0115	JACK-HEADPHONE; SOQ4694-01-4110 9P	2	
FJ3	B3040-0119	JACK-EARPHONE; P13.5 HSJ0918-01-2010	1	
FLD1,2,3,4,5,6,10,11	12309-104-410	LED-LAMP; SLV-31 MC3	8	

5-7-2. Front(Option-DV735K)

LOCATION	CODE NO.	DESCRIPTION and SPECIFICATION	Q'TY	REMARK
FC1,FC3,FC27,KC30,FC32	11608-103-333	C-ELECTROLYTIC;SMS T 16V 33M	5	
FC5	11608-106-109	C-ELECTROLYTIC; SMS T 50V 1M	1	
FC10, FC16	11608-106-221	C-ELECTROLYTIC; SMS T 50V 0.22		
FC28,FC31	112608-106-472	C-ELECTROLYTIC; SMS T 50V 4.7M	2	
FC11,FC17	11608-103-103	C-ELECTROLYTIC; SMS T 16V 10M	2	
FC15	11608-206-109	C-ELECTROLYTIC; SMS T 50V 1M(NP)	1	
FIC1,FIC2	12119-401-760	IC-OP AMP; NJM2068 SD	2	
FIC3	12119-401-260	IC-OP AMP;NJM4556D	1	
FL1,FL2,FL3,FL4,FL5	12429-311-220	COIL-CHOKE; AX 22UH-02	5	
FVR2,FVR3,FVR4	A1048-0016	VR-ROTARY, MOLD; RK09K1110303 20KB	3	
FVR1	B1048-0020	VR-ROTARY, MOLD; RK09K12B 20KB	1	
FSW1,FSW2,FSW3, FSW4, FSW5	A3018-0026	SW-TACK, V;SKHT27010A 22.6/8MM 2KEY	5	
FJ1, FJ2	A3040-0115	JACK-HEADPHONE; SOQ4694-01-4110 9P	2	
FJ3	B3040-0119	JACK-EARPHONE; P13.5 HSJ0918-01-2010	1	
FLD1,2,3,4,5,6,10,11	12309-104-410	LED-LAMP; SLV-31 MC3	8	
	13012-0253-00	BRACKET-BOTTOM; DV-530K T0.2	3	
FE1,2,3,4	B1247-0048	FILTER-EMI DISC; DSS306-55F223Z	4	

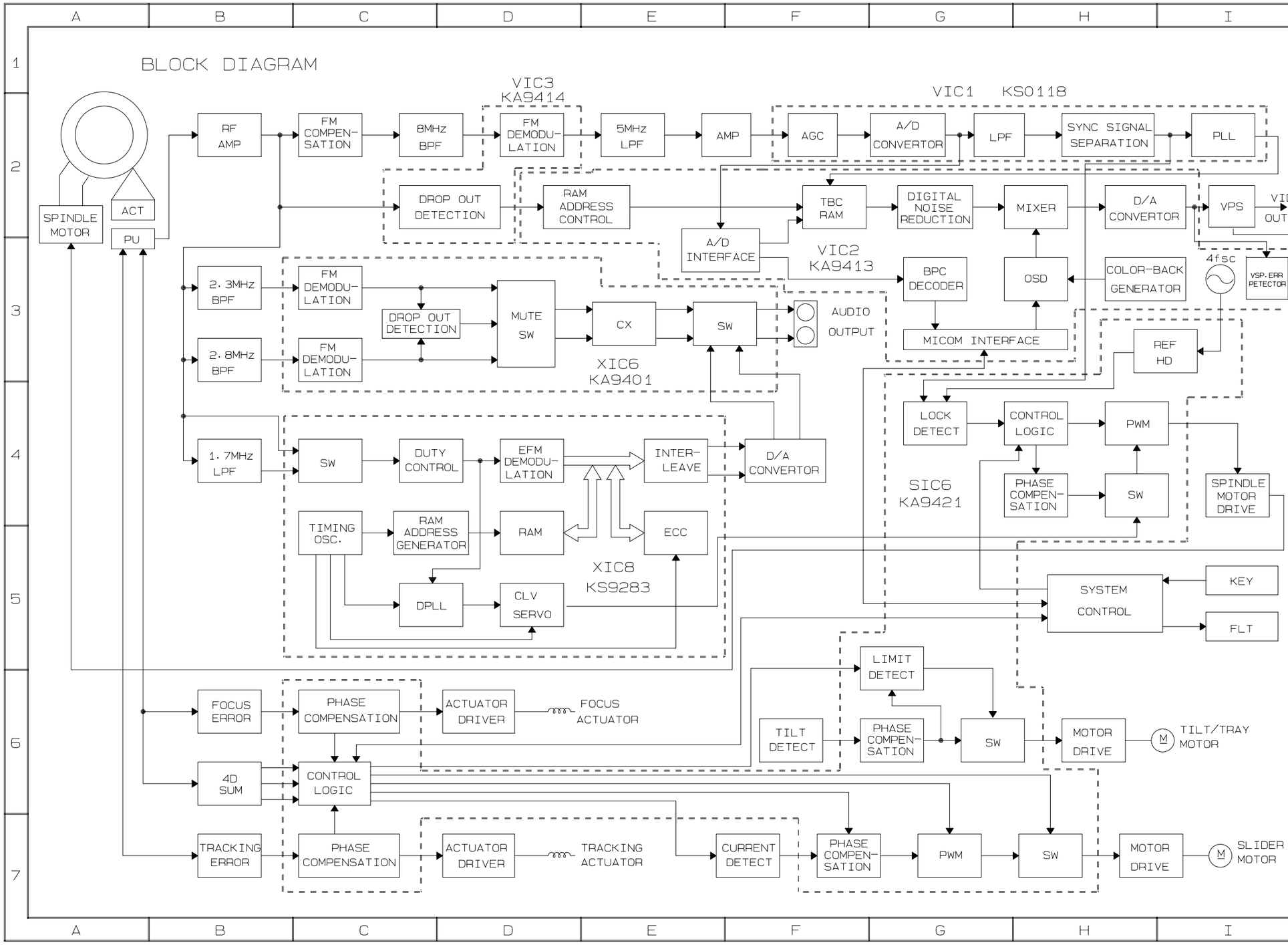
5-8 Video-CD Option(DV532KV)

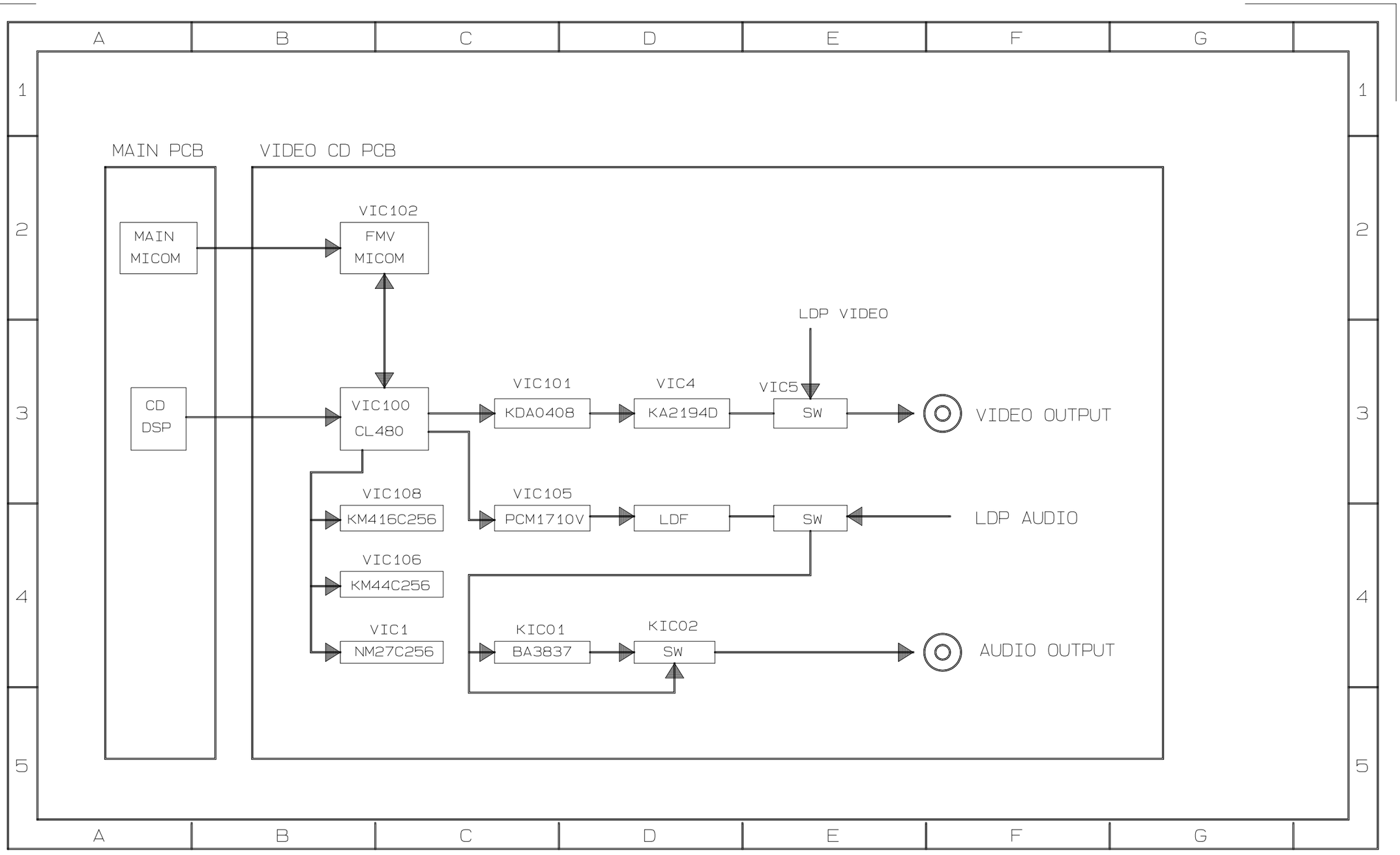
LOCATION	CODE NO.	DESCRIPTION and SPECIFICATION	Q'TY	REMARK
VR132,VC24,KR2,6	11119-101-000	R-CHIP;SCR2012 PA.P 1/8 O-J	4	
VR1,2,3,4,5,6,7,8	11119-101-101	R-CHIP;MCR10,2012S 100-J	8	
VR9,10,11,12,16,20,21			7	
VR22,23,27,28,29,30,31			7	
VR32,33,34,51,52,53,54			7	
VR100,101,102,139			4	
VR47,64,83,131,138,Q2	11119-101-102	R-CHIP;MCR10,1K-J	6	
KR40			1	
VR14,15,50,136	11119-101-103	R-CHIP;MCR10,2012S 10K-J	4	
KR38,41,42	11119-101-104	R-CHIP;MCR10,2012S 100K-J	3	
VR13,35	11119-101-105	R-CHIP;MCR10,2012S 1M-J	2	
KR1,5,107,108	11119-101-123	R-CHIP;SCR2012J123 100CT	4	
VR41 130	11119-101-152	R-CHIP;SCR2012 1.5K-J	2	
VR39	11119-101-183	R-CHIP;SCR2012 18K-J	1	
VR87,87A,88,88A	11119-101-221	R-CHIP;SCR2012J 221 100CT	4	
KR37	11119-101-223	R-CHIP;MCR10,2012S 22K-J	1	
VR44,45,46	11119-101-271	R-CHIP;MCR10,2012S 270-J	3	
VR09,38	11119-101-273	R-CHIP;MCR10,2012S 27K-J	2	
KR35	11119-101-274	R-CHIP;SCR2012J 270K	1	
VR137A	11119-101-331	R-CHIP;MCR10 201	1	
VR42,36	11119-101-332	R-CHIP;SCR2012S 3.3K-J	2	
VR135	11119-101-333	R-CHIP;SCR2012J 333 100CT	1	
KR39	11119-101-334	R-CHIP;SCR2012J 334 100CT	1	
VR137	11119-101-391	R-CHIP;2012 390J	1	
VR116	11119-101-471	R-CHIP;SCR2012 471J	1	
VR107,113,KR33,45	11119-101-472	R-CHIP;MCR 10,2012S 4.7K-J	4	
VR107,113			2	
KR34,36	11119-101-473	R-CHIP;MCR 10,2012S 47K-J	2	
VC114	11119-101-562	R-CHIP;MCR 10 2012S 5.6K-J	1	
VR20A,21A,23A	11119-101-563	R-CHIP;SCR2012 56K-J	3	
VR133	11119-101-680	R-CHIP;SCR2012 680J	1	
VR115	11119-101-821	R-CHIP;MCR 10 2012S 820-J	1	
KR32,43,44,46	11119-101-822	R-CHIP;SCR2012 822 100CT	4	
VC12,32	11129-004-102	C-CHIP CERAMIC;CC 2012 X7R 102K T	2	
VC105,110,112,115	11129-004-103	C-CHIP CERAMIC;CC 2012 X7R 103K T	4	
VC12,41,43,47,50			5	
VC44,45	11129-004-152	C-CHIP CERAMIC;CC 2012 X7R 152K T	2	
KC15	11129-004-183	C-CHIP CERAMIC;CC 2012 X7R 183K T	1	
VC42,49	11129-004-332	C-CHIP CERAMIC;CC 2012 X7R 332K T	2	
VC46,48	11129-004-822	C-CHIP CERAMIC;CC 2012 X7R 822K T	2	
VC11,29,30	11129-008-180	C-CHIP CERAMIC;CC 2012 COG 180J T	3	
VC116	11129-008-181	C-CHIP CERAMIC;CC 2012 COG 181J T	1	
VC3,4,36	11129-009-100	C-CHIP CERAMIC;CC 2012 COG 100J T	3	
VC111	11129-009-101	C-CHIP CERAMIC;CC 2012 COG 101J T	1	
KC16	11129-009-300	C-CHIP CERAMIC;CC 2012 COG 300J T	1	
VC1,2,10,13,16,17,18,19	11129-014-104	C-CHIP CERAMIC;GRM40X7R 104K25PT	8	
VC20,21,22,23,25,27,33			7	
VC37,70			2	
VC100,101,102,109			4	
VQ5,7,104	11139-801-022	TR-CHIP;KSA 812	3	
VQ2,3,KQ1	11139-801-032	TR-CHIP;KSC1623L	3	
VQ6,KQ2	11139-801-101	TR-CHIP;KSR2103	2	
VQ100	11139-801-182	TR-CHIP;KSR1103	1	
VTC1,2	11155-306-220	C-CHIP TANTAL;CS 16V T 22M M 5832	2	
VL10	11176-600-050	COIL-CHIP;LQH3C 100K04	1	
VCE13,14,KCE2	11608-106-109	C-ELECTROLYTIC;SRE T 50V 1M(3X5)	3	
VCE1,6,7,11,12,16,17	11608-152-101	C-ELECTROLYTIC;SRE T 10V 100M	7	
VCE10,CKE7			2	
VCE8,KCE14,15	11608-153-220	C-ELECTROLYTIC;SRE T 16V 22M(5X5)	3	
KCE8,9,16			3	

LOCATION	CODE NO.	DESCRIPTION and SPECIFICATION	Q'TY	REMARK
VCE15,18	11608-154-479	C-ELECTROLYTIC;SRE T 25V 4.7M(3X5)	2	
VCE9,KCE1,3,17	11608-173-100	C-ELECTROLYTIC;SRE T 16V 10M(3.5X5)	4	
VCE23,24,30	11608-173-221	C-ELECTROLYTIC;SR T 16V 220M(10X9)	3	
VIC1	12109-401-920	IC-PROM(OTP);NMC27C256BN200	1	
VIC9,10,KIC2,3	12119-401-300	IC-OP AMP;BA4560F-T2	4	
KIC1			1	
KD01,02	12169-301-400	DIODE-SWITCH;1N4148M ROHM(SMALL)	2	
VZD2,KD03	12169-403-490	DIODE ZN;RD 3.9EB/UZ 3.9BM	2	
VL2	12429-411-100	COIL-CHOKE;AX 10UH-02(LA02TB100K)	1	
VXC3	14539-503-130	CERAMIC-RESONATER;CSA12.0MT	1	
KR4,8	A1020-0067	R-CHIP;RH 1/10 CS 243-J C2012 RMC 1	2	
VR55,56,57,60,62,63	A1020-0132	R-CHIP;RH 1/10 CS 911-J C2012	6	
KC19,20			2	
VXC1	A1280-0197	CRYSTAL;40.5MHZ HC-49/U-A +-0.005%	1	
VIC106	A4000-0063	IC-DRAM;KM44C256CJ-7 SOJ	1	
VIC108	A4000-0083	IC-DRAM;KM416C256/L/SL-7 SOJ 40PIN	1	
VIC3	A4004-0258	IC-LOGIC;GD74HCU04D SOP	1	
VIC4	A4012-0271	IC-LINEAR;KA2194D SOP RGB ENCODER	1	
VIC101	A4012-0308	IC-LINEAR;KDA0408Q QFP QFP 48P VIDE	1	
VL100	B1144-0034	COIL-CHIP;EMI HF50ACB322513-T M T C	1	
VL3,4,5,6			4	
VIC102	B4000-0167	IC-OTP;LC86P5032A DV-430 QFP 64P	1	
VIC13	B4004-0199	IC-LOGIC;TC7SU04F SOP	1	
VIC14	B4008-0960	IC-OP AMP;TA7302P SIP	1	
VIC105	B4012-0381	IC-LINEAR;PCM1710U SOP D/A CONVERTO	1	
VIC100	B4012-0438	IC-LINEAR;CL480 QFP BULK MPEG SYS D	1	
KIC01	B4012-0508	IC-LINEAR;BA3837 DIP STICK KARAOKE	1	
VIC3	B4052-0036	TR-HIGH POWER;2SD1762-F 25W 3A 70MH	1	
VOR1,2,3,10,VJW0,12,13	11119-101-000	R-CHIP;SCR2012 PA.P 1/8 O-J	7	
VR121,140			2	
VQ4			1	
VJW2,4,6,8	11119-101-101	R-CHIP;MCR10,2012S 100-J	4	
VR40,40A	11119-101-105	R-CHIP;MCR10,2012S 1M-J	2	
VC14,15	11129-008-180	C-CHIP CERAMIC;CC 2012 COG 180J T	2	
	13059-201-103	LEAD-FASTEN;RING 100 BLK	1	
T1	13124-100-710	TAP-STUD;0.5T SPC1 BT2	1	
VCW4	13349-103-103	CONNECTOR-WAFER;5267-10A 10P STICK	1	
VCW5,6	13349-119-020	CONNECTOR-WAFER;53014-0210 2.0MM	2	
VCW2	13349-119-050	CONNECTOR-WAFER;53014-0510 2.0MM	1	
VCW1	13349-119-070	CONNECTOR-WAFER;53014-0710 2.0MM	1	
VIC4	13349-512-561	CONNECTOR-WAFER;5267-02A 2P TYPE	1	
CLIP	16634-517-300	CORD-CLAMP;DALA-2	1	
VR68,72	A1020-0121	R-CHIP;RH 1/10 CS 750-J C2012 RMC 1	2	
VXC4	A1280-0039	CRYSTAL;3.579545MHZ HC-49/U-A 50PPM	1	
VJ1	A3040-0196	JACK-RCA;PI3.5 S-438P-01 6P	1	
VIC15,KIC02	B4004-0261	IC-LOGIC;NJU4053BM SOP	2	
VIC5	B4012-0222	IC-LINEAR;NJM2234 SOP VIDEO S/W	1	
PIC100	A4000-0063	IC-DRAM;KM44C256CJ-7 SOJ	1	
VIC103	A4006-0024	IC-ASIC;SRV9205CA/SRV9205CAB QFP	1	
VIC107	B4004-0261	IC-LOGIC;NJU4053BM SOP	1	
VIC16	B4004-0337	IC-LOGIC;TC4W53F-TE12L SOP 8P	1	
VOR8	11119-101-000	R-CHIP;SCR2012 PA.P 1/8 O-J	1	
VR47	11119-101-102	R-CHIP;MCR10,1K-J	1	
VR86	11119-101-104	R-CHIP;MCR10,2012S 100K-J	1	
VR40,40A	11119-101-105	R-CHIP;MCR10,2012S 1M-J	2	
VR70	11119-101-123	R-CHIP;SCR2012J123 100CT	1	
VR67A	11119-101-182	R-CHIP;SCR2012J 182 100CT	1	
VR75	11119-101-224	R-CHIP;SCR2012 16V 220K-J	1	
VC38	11129-001-220	C-CHIP CERAMIC;CC2012 COG 220J T	1	
VC35,36	11129-001-680	C-CHIP CERAMIC;CC 2012 COG 680J T	2	
VC32	11129-004-102	C-CHIP CERAMIC;CC 2012 X7R 102K T	1	
VC51	11129-004-223	C-CHIP CERAMIC;CC 2012 X7R 223K T	1	
VC14,14A,15,15A	11129-008-180	C-CHIP CERAMIC;CC 2012 COG 180J T	4	

LOCATION	CODE NO.	DESCRIPTION and SPECIFICATION	Q'TY	REMARK
VC34	11129-009-101	C-CHIP CERAMIC;CC 2012 COG 101J T	1	
VC39	11129-009-270	C-CHIP CERAMIC;CC 2012 COG 270J T	1	
VQ4	11139-801-032	TR-CHIP;KSC1623L	1	
VL3	11176-600-050	COIL-CHIP;LQH3C 100K04	1	
VCE3	11608-106-478	C-ELECTROLYTIC;SRE T 50V 0.47M(3X5)	1	
VCE22	11608-152-101	C-ELECTROLYTIC;SRE T 10V 100M(6.3X5	1	
VCE4	11608-154-479	C-ELECTROLYTIC;SRE T 25V 4.7M(3X5)	1	
VCE5	11608-173-100	C-ELECTROLYTIC;SRE T 16V 10M(3.5X5)	1	
VXC4A	A1280-0038	CRYSTAL;4.433619MHZ HC-49/U-A 50PPM	1	
VXC4	A1280-0039	CRYSTAL;3.579545MHZ HC-49/U-A 50PPM	1	
VXC5	A1280-0199	CRYSTAL;14.31818MHZ HC-49/U-S +-0.0	1	
VIC2	A4012-0274	IC-LINEAR;KS5514-02 DIP CMOS	1	
VIC12	B4004-0337	IC-LOGIC;TC4W53F-TE12L SOP 8P	1	

2. Block Diagram
2-1 DV735K/DV535K/DV435

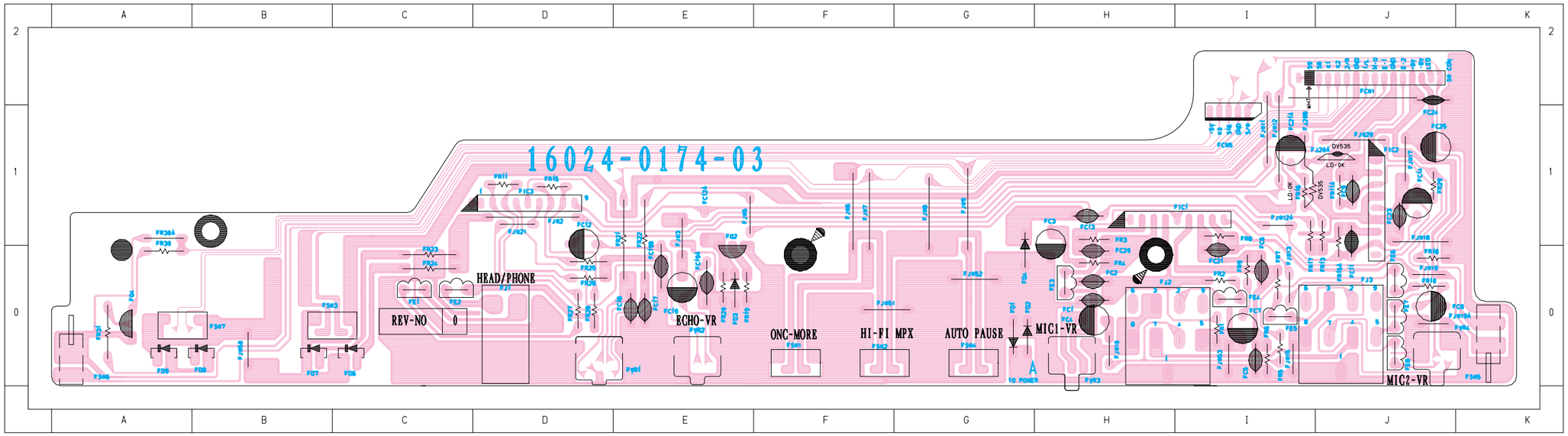



A
B
C
D
E
F
G
1
2
3
4
5
MAIN PCB
VIDEO CD PCB
MAIN MICOM
VIC102
FMV MICOM
CD DSP
VIC100
CL480
VIC101
KDA0408
VIC4
KA2194D
LDP VIDEO
VIC5
SW
VIDEO OUTPUT
VIC108
KM416C256
VIC105
PCM1710V
LDF
SW
LDP AUDIO
VIC106
KM44C256
VIC1
NM27C256
KIC01
BA3837
KIC02
SW
AUDIO OUTPUT

4. PCB Diagram

4-1 FRONT

DV535/DV435/DV532



*** DIODE ***

FD1 (G0)
FD2 (G0)
FD3 (E0)
FD4 (G1)

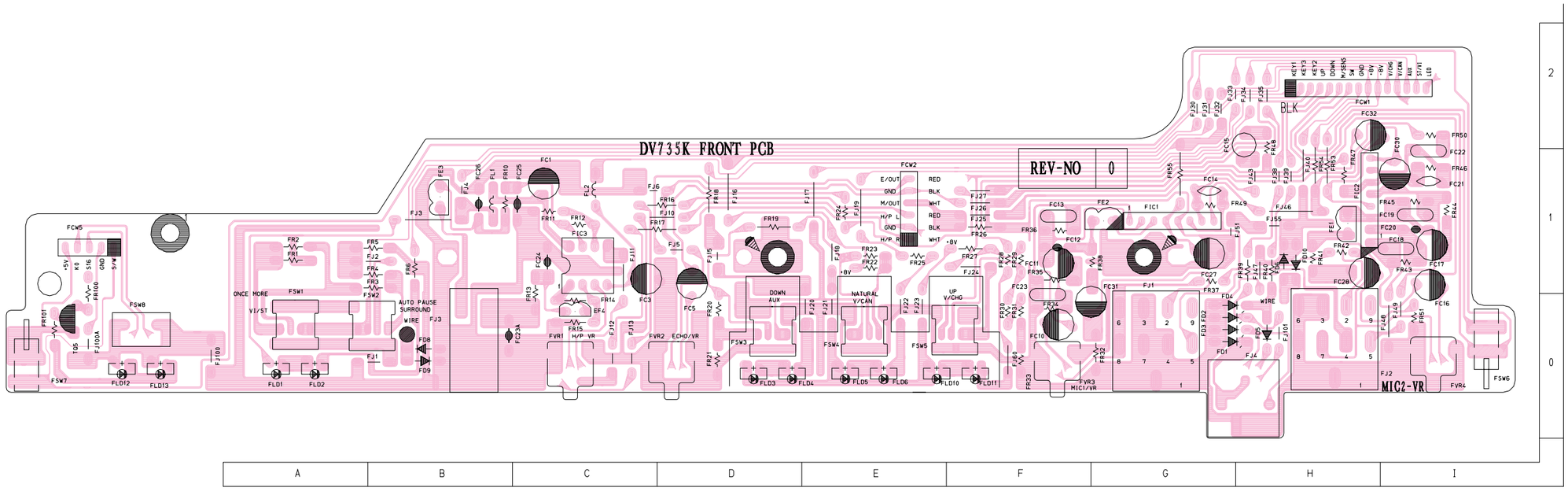
*** TR ***

FQ2 (E1)
FQ4 (A0)

*** IC&WAFER ***

FCW1 (J2)
FIC1 (I1)
FIC2 (J1)
FIC3 (D1)

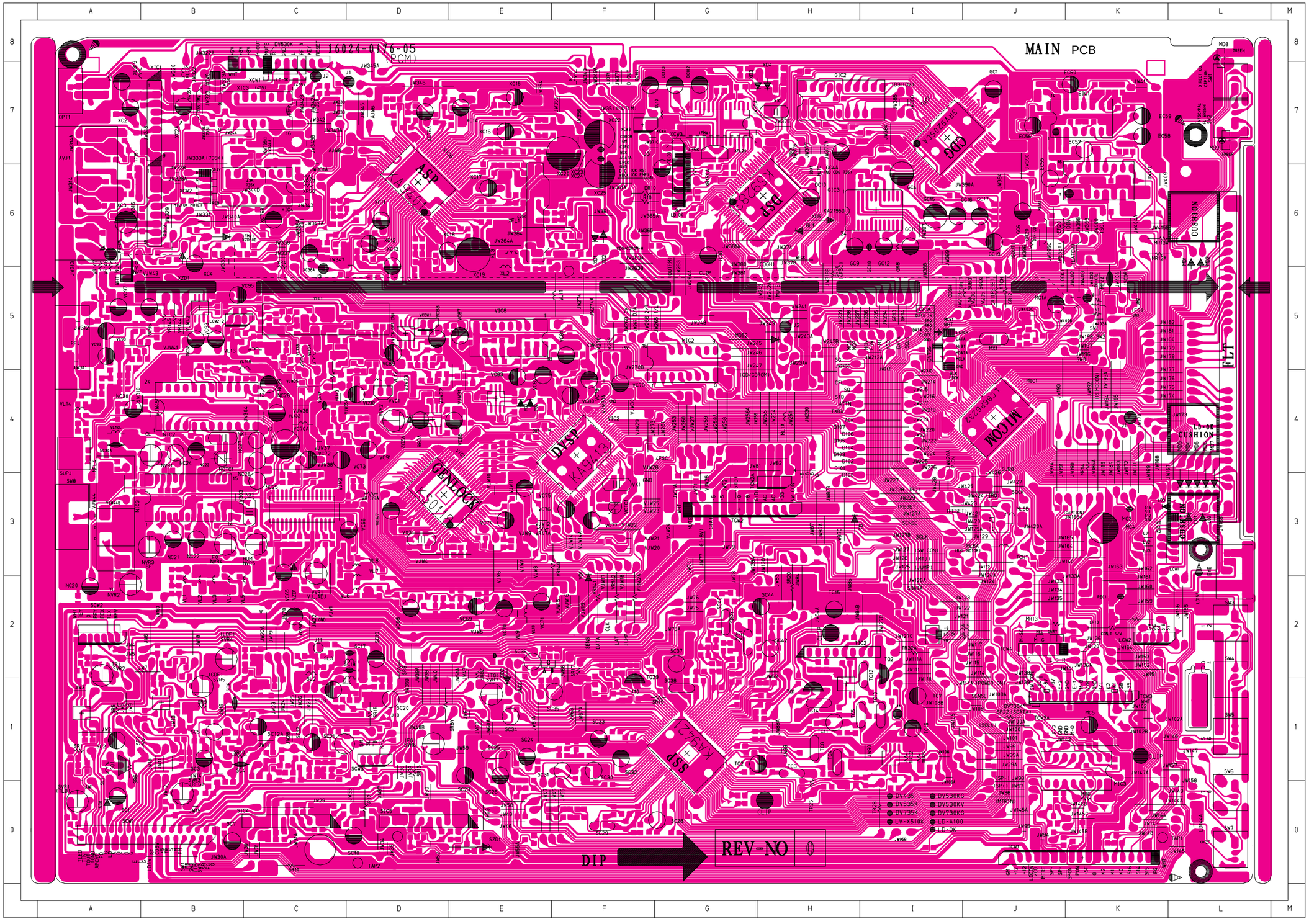
DV735K



FD1 (H0)
FD10 (H1)
FD2 (H0)
FD3 (H0)
FD4 (H0)
FD5 (H0)
FD6 (H1)
FD8 (B0)
FD9 (B0)

FCW1 (H2)
FCW2 (E1)
FCW5 (A1)
FCW6 (B1)

4-2 MAIN



*** DIODE ***

GL1 (H6)
LD2 (L3)
LD3 (K3)
MD1 (L6)
MD2 (L6)
MD3 (L3)
MD4 (L3)
MD5 (L3)
MD52 (H5)
MD6 (L3)
MD7 (L3)
SD1 (A0)
SD2 (E1)
SZD1 (E0)
TD1 (H3)
VD1 (F3)
VD2 (E4)
VD3 (E4)
VZD1 (C3)
VZD2 (D4)
XD1 (F6)
XD2 (F6)
XD3 (H7)
XD4 (H7)
XD5 (H6)
XZD1 (B6)
XZD50B (B6)

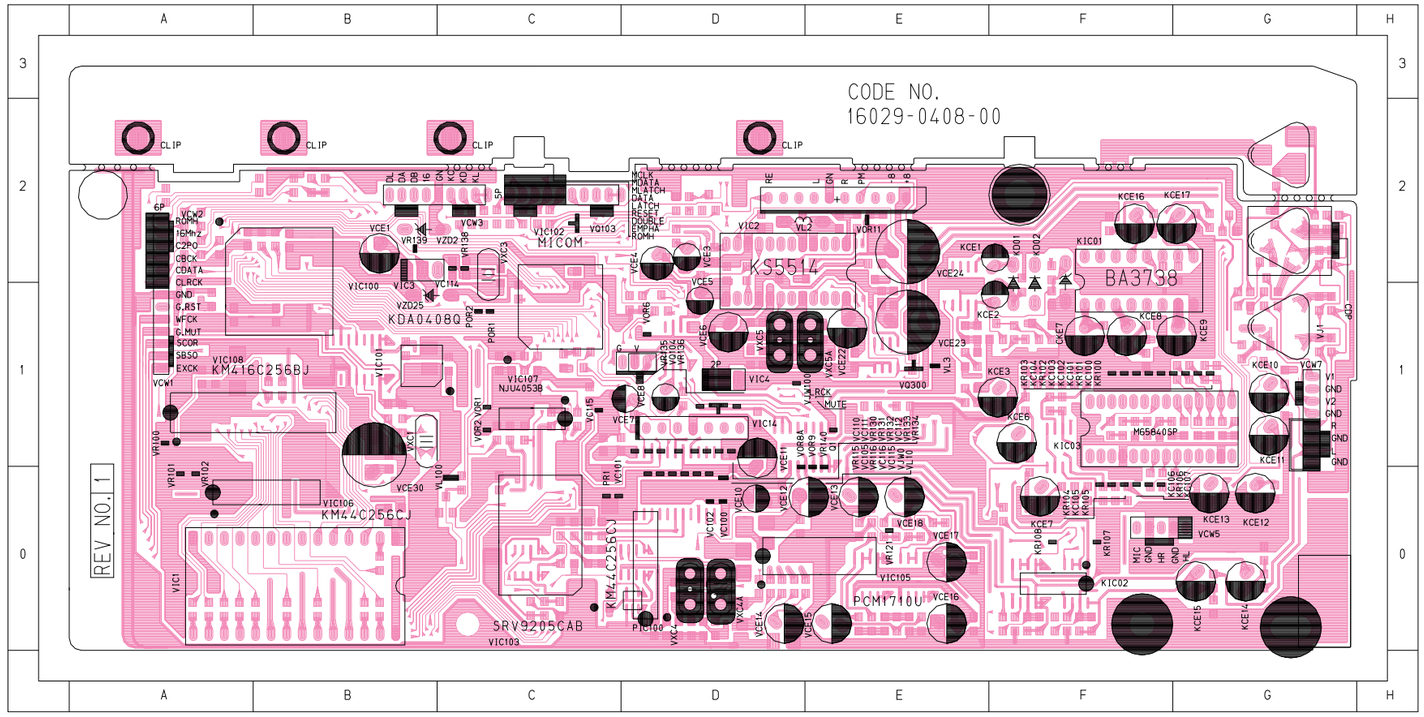
*** TR ***

SQ1 (A1)
TQ1 (H1)
TQ2 (I2)
TQ39 (F1)

*** IC&WAFER ***

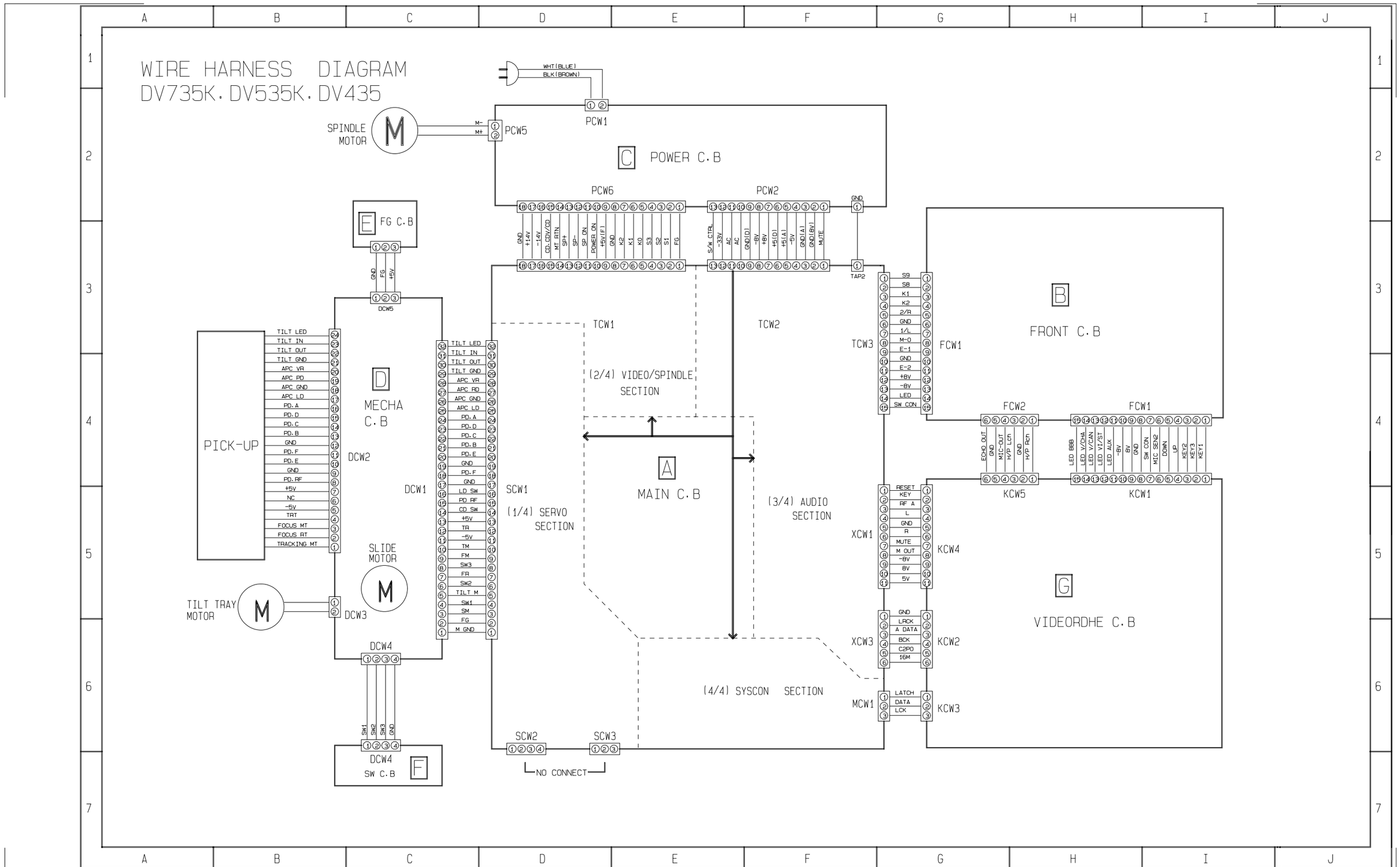
EIC1 (J7)
LCW2 (K2)
LCW2-2 (B5)
MCW1 (I5)
MIC2 (F4)
MIC3 (K1)
NCW1 (A5)
SCW2 (A2)
SCW3 (D1)
SIC4 (C0)
SIC5 (D0)
TCW1 (K0)
TCW2 (G3)
TCW2A (H3)
TCW3 (K1)
TCW4 (J2)
XCW0 (B7)
XCW1 (C7)
XCW2 (B6)
XCW3 (G6)
XCWA (F7)
XIC1 (B7)
XIC2 (B6)
XIC3 (C7)
XIC4 (C6)

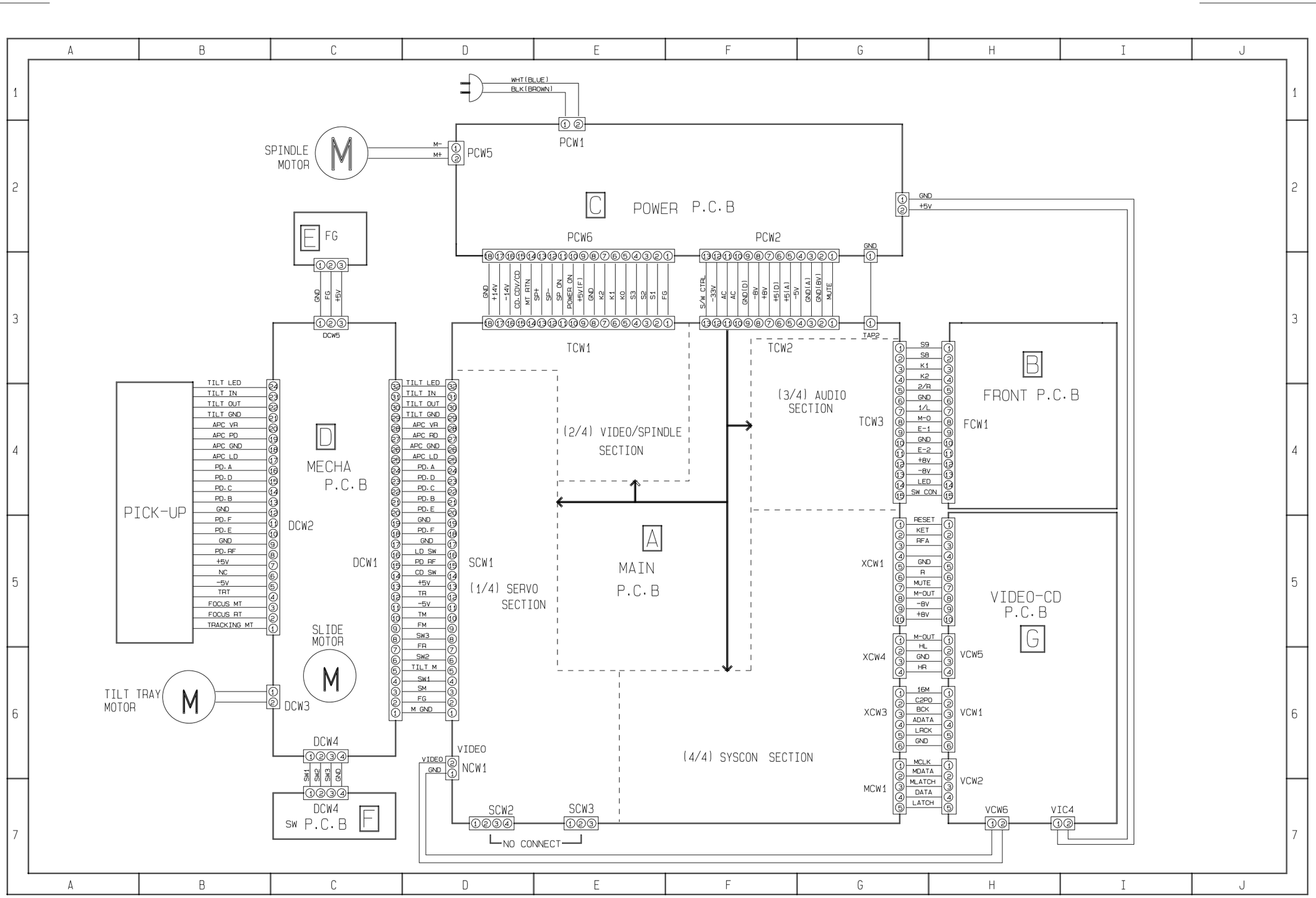
4-3 VIDEO-CD (DV532KV)



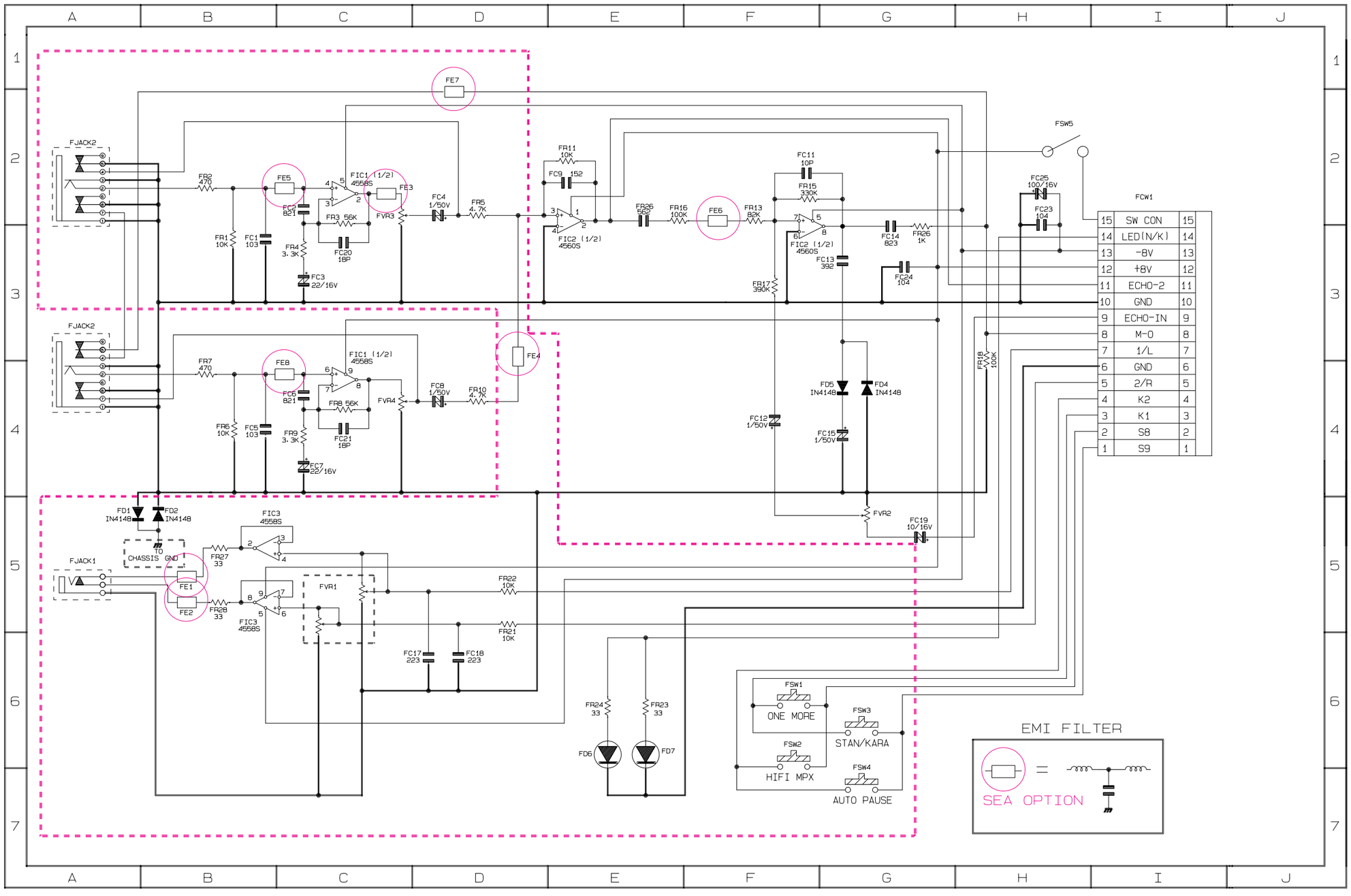
1. Wiring Diagram

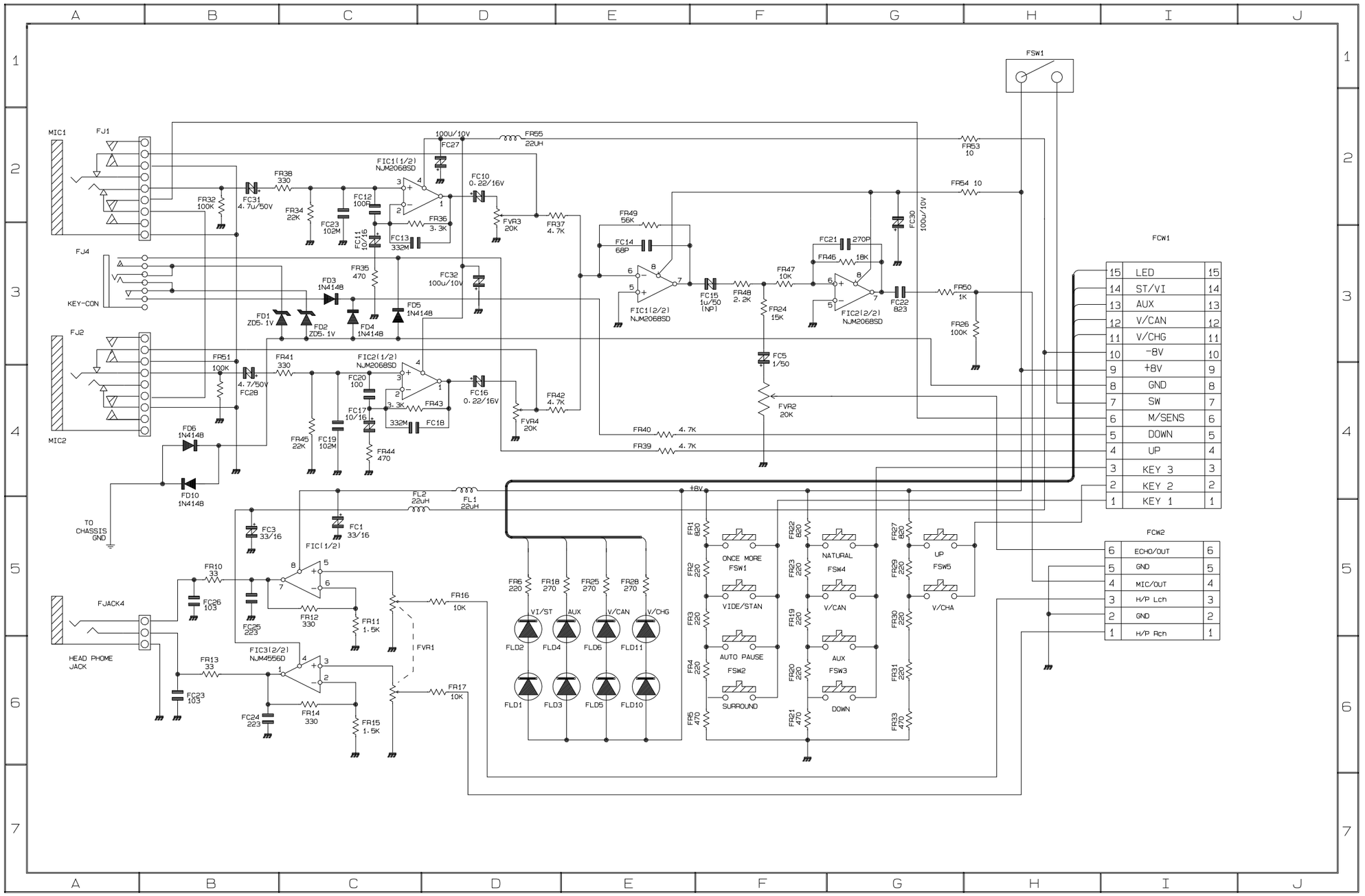
1-1 DV735K/DV535K/DV435



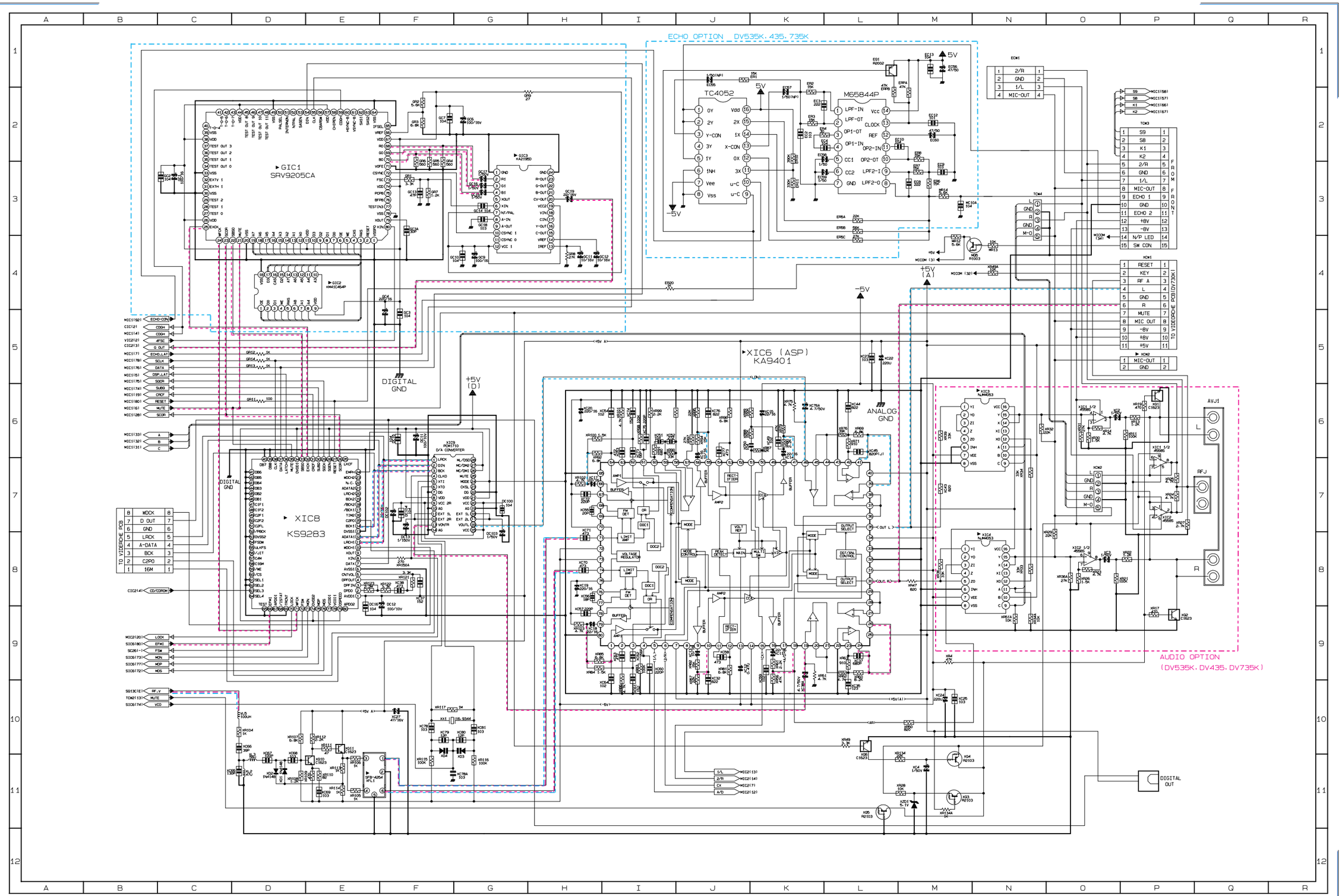

WHT(BLUE)
BLK(BROWN)
PCW1
SPINDLE MOTOR
M
M-
M+
PCW5
C POWER P.C.B
E FG
GND
FG
+5V
DCW5
PCW6
PCW2
GND
+5V
GND
+14V
-14V
CD.CDV/CD
MT RTN
SP+
SP-
SP ON
POWER ON
+5V(F)
GND
K2
K1
KO
S3
S2
S1
FG
S/W CTRL
-33V
AC
AC
GND(D)
-8V
+8V
+5(D)
+5(A)
-5V
GND(A)
GND(8V)
MUTE
TAP2
TCW1
TCW2
(3/4) AUDIO SECTION
TCW3
B FRONT P.C.B
FCW1
S9
S8
K1
K2
2/R
GND
1/L
M-O
E-1
GND
E-2
+8V
-8V
LED
SW CON
TILT LED
TILT IN
TILT OUT
TILT GND
APC VR
APC PD
APC GND
APC LD
PD.A
PD.D
PD.C
PD.B
GND
PD.F
PD.E
GND
PD.RF
+5V
NC
-5V
TRT
FOCUS MT
FOCUS RT
TRACKING MT
PICK-UP
D MECHA P.C.B
DCW2
DCW1
SCW1
(1/4) SERVO SECTION
(2/4) VIDEO/SPINDLE SECTION
A MAIN P.C.B
TILT LED
TILT IN
TILT OUT
TILT GND
APC VR
APC RD
APC GND
APC LD
PD.A
PD.D
PD.C
PD.B
PD.E
GND
PD.F
GND
LD SW
PD RF
CD SW
+5V
TR
-5V
TM
FM
SW3
FR
SW2
TILT M
SW1
SM
FG
M GND
SLIDE MOTOR
M
TILT TRAY MOTOR
M
DCW3
DCW4
SW1
SW2
SW3
GND
DCW4
SW P.C.B
F
VIDEO
VIDEO
GND
NCW1
SCW2
SCW3
NO CONNECT
(4/4) SYSCON SECTION
XCW1
RESET
KET
RFA
GND
R
MUTE
M-OUT
-8V
+8V
VIDEO-CD P.C.B
G
XCW4
M-OUT
HL
GND
HR
VCW5
XCW3
16M
C2PO
BCK
ADATA
LRCK
GND
VCW1
MCW1
MCLK
MDATA
MLATCH
DATA
LATCH
VCW2
VCW6
VIC4

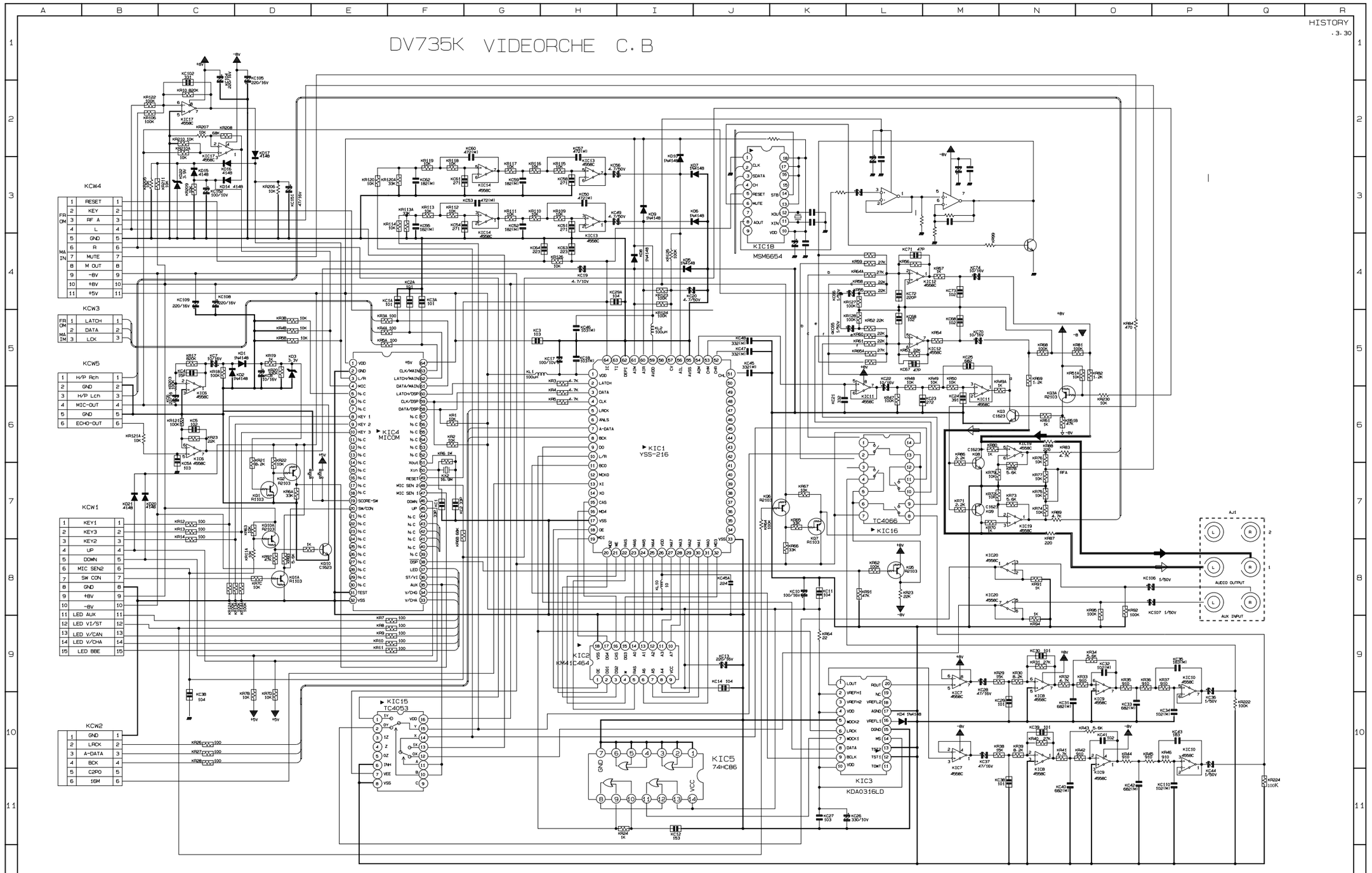
3. SCHEMATIC
3-1 FRONT
3-1-1 DV535K/DV435/DV532

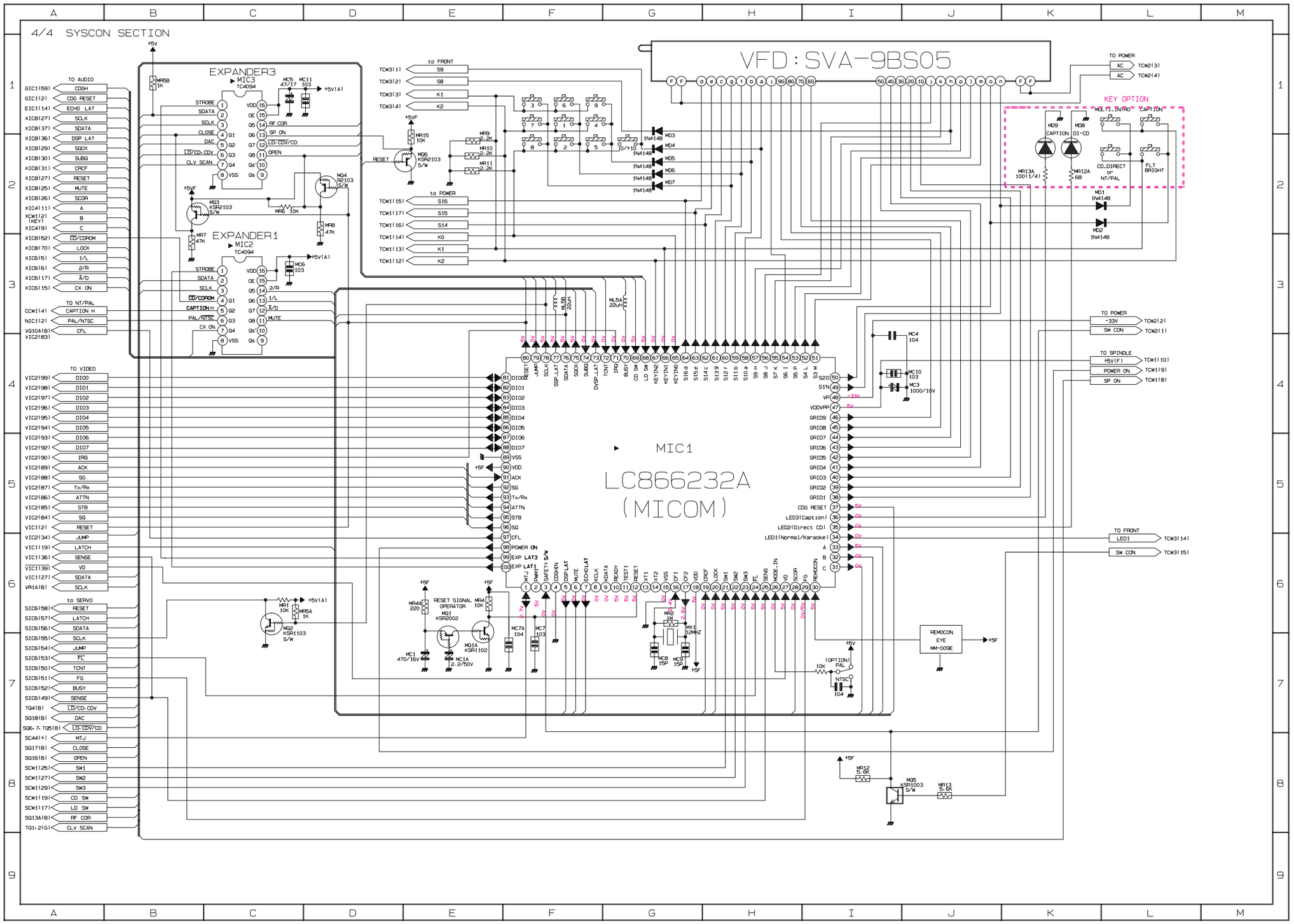


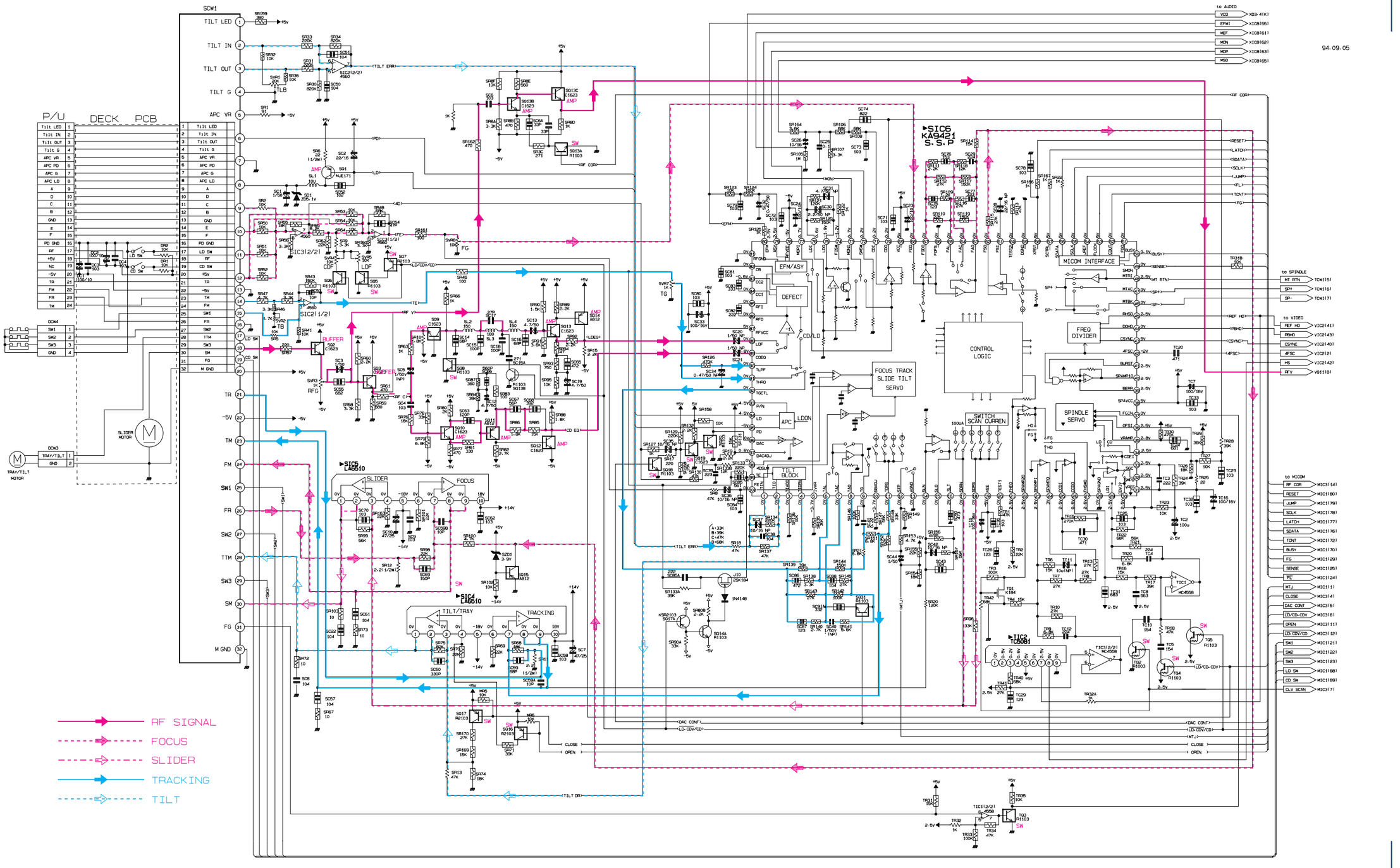

A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
MIC1
MIC2
FJ1
FJ2
FJ4
KEY-CON
FJACK4
HEAD PHOME JACK
TO CHASSIS GND
FSW1
FCW1
FCW2
FIC1(1/2) NJM2068SD
FIC1(2/2) NJM2068SD
FIC2(1/2) NJM2068SD
FIC2(2/2) NJM2068SD
FIC3(2/2) NJM4556D
FIC(1/2)
FD1 ZD5.1V
FD2 ZD5.1V
FD3 1N4148
FD4 1N4148
FD5 1N4148
FD6 1N4148
FD10 1N4148
FL1 22uH
FL2 22uH
FR55 22UH
FVR1
FVR2 20K
FVR3 20K
FVR4 20K
FC1 33/16
FC3 33/16
FC5 1/50
FC10 0.22/16V
FC15 1u/50 (NP)
FC16 0.22/16V
FC27 100u/10V
FC30 100u/10V
FC32 100u/10V
FR53 10
FR54 10
FR50 1K
FR26 100K
FR24 15K
FR48 2.2K
FR49 56K
FR47 10K
FR40 4.7K
FR39 4.7K
FR42 4.7K
FR16 10K
FR17 10K
+8V
VI/ST
AUX
V/CAN
V/CHG
ONCE MORE FSW1
VIDE/STAN
AUTO PAUSE FSW2
SURROUND
NATURAL FSW4
V/CAN
AUX FSW3
DOWN
UP FSW5
V/CHA
LED
ST/VI
AUX
V/CAN
V/CHG
-8V
+8V
GND
SW
M/SENS
DOWN
UP
KEY 3
KEY 2
KEY 1
ECHO/OUT
GND
MIC/OUT
H/P Lch
GND
H/P Rch

3-2 AUDIO
3-2-1 DV535/DV435/DV532K

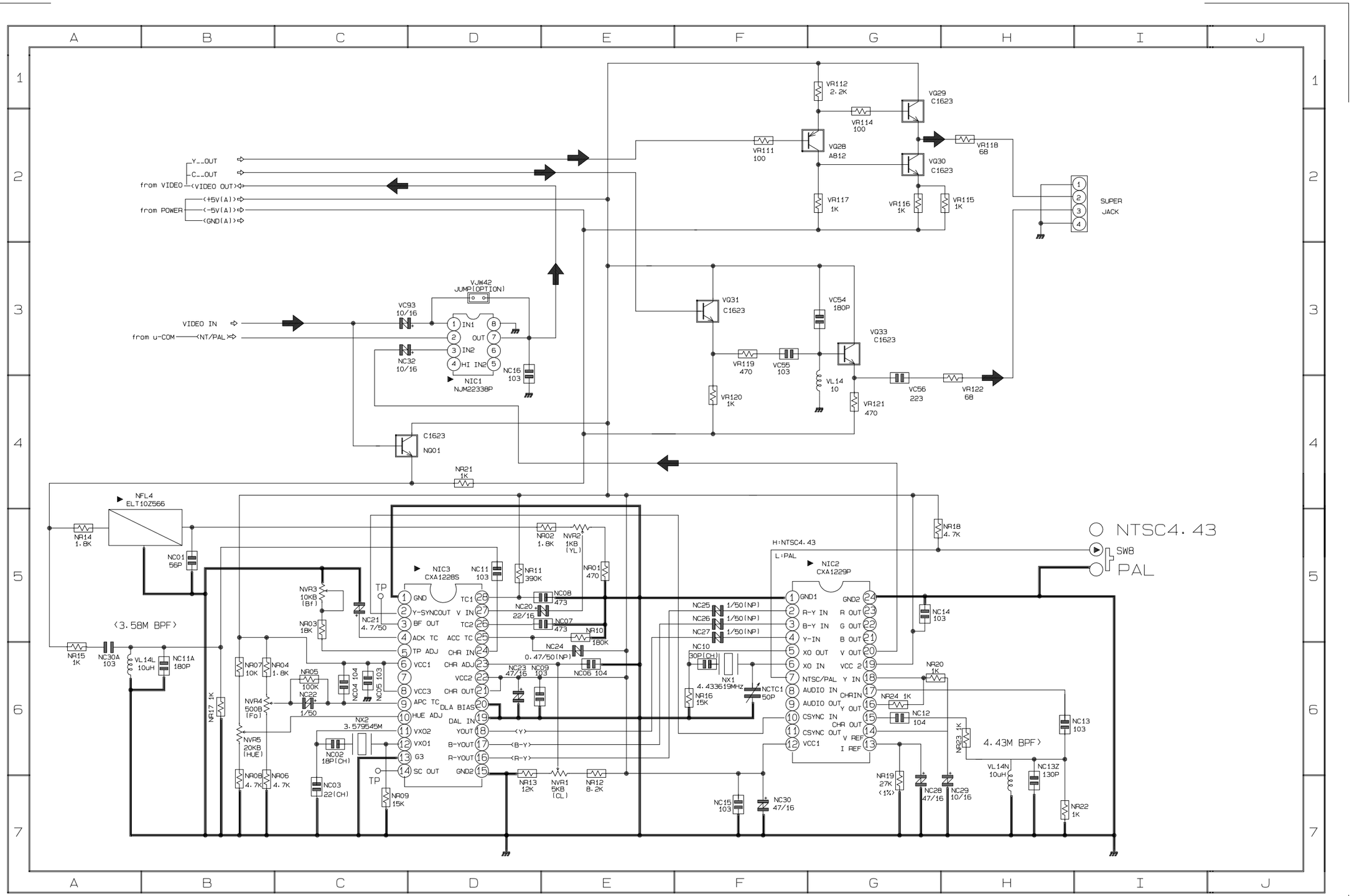



DV735K VIDEORCHE C.B
HISTORY
. 3. 30
KCW4
KCW3
KCW5
KCW1
KCW2
KIC1 YSS-216
KIC2 KM41C464
KIC3 KDA0316LD
KIC4 MICOM
KIC5 74HC86
KIC15 TC4053
KIC16 TC4066
KIC18 MSM6654
AUDIO OUTPUT
AUX INPUT
FILE-NAME: DV-735KK.K

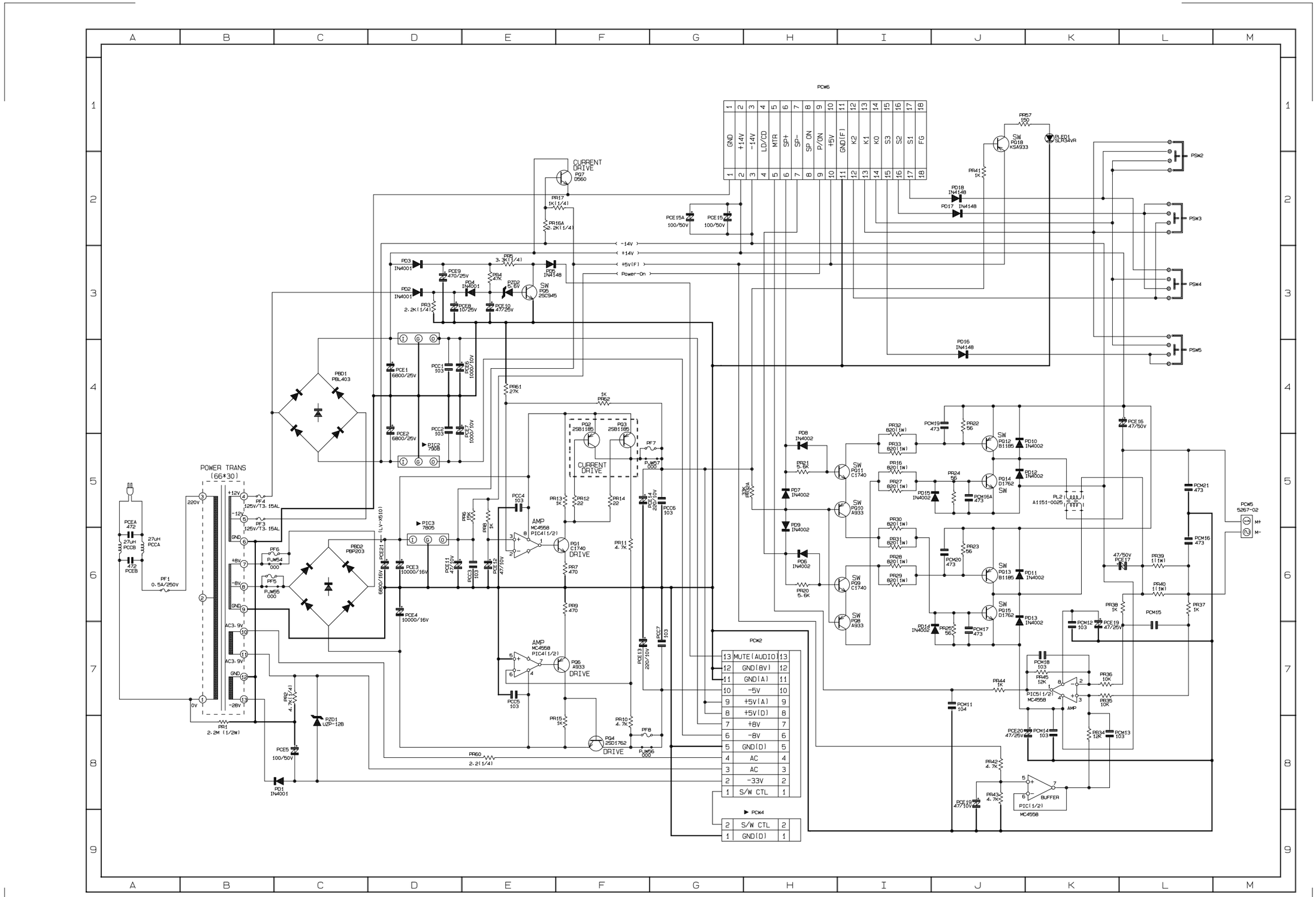

4/4 SYSCON SECTION
VFD : SVA-9BS05
EXPANDER3
MIC3
TC4094
EXPANDER1
MIC2
TC4094
MIC1
LC866232A
(MICOM)
KEY OPTION
TO AUDIO
TO VIDEO
TO NT/PAL
to SERVO
to FRONT
to POWER
TO POWER
TO SPINDLE
REMOCON EYE MM-009E
RESET SIGNAL OPERATOR

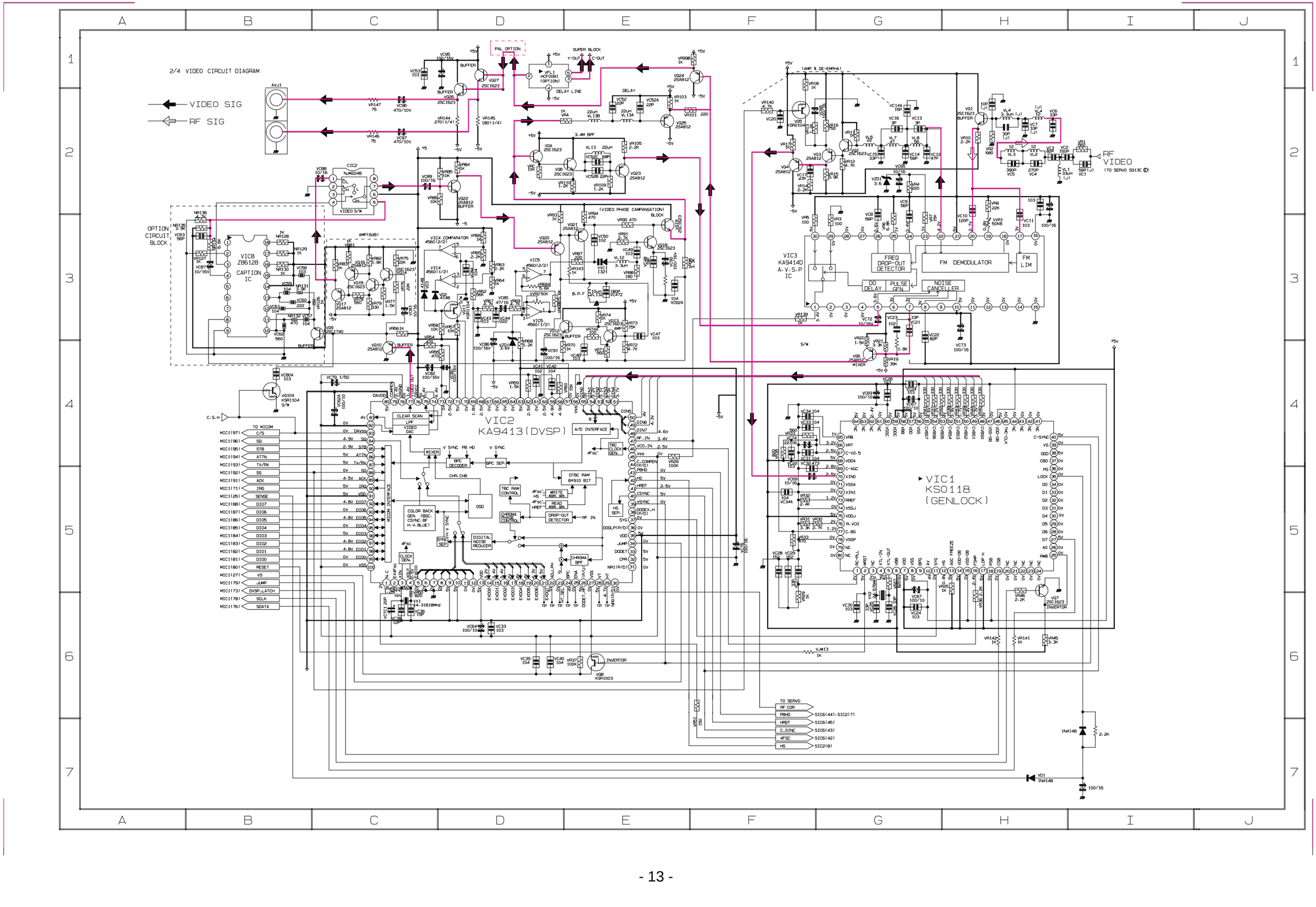
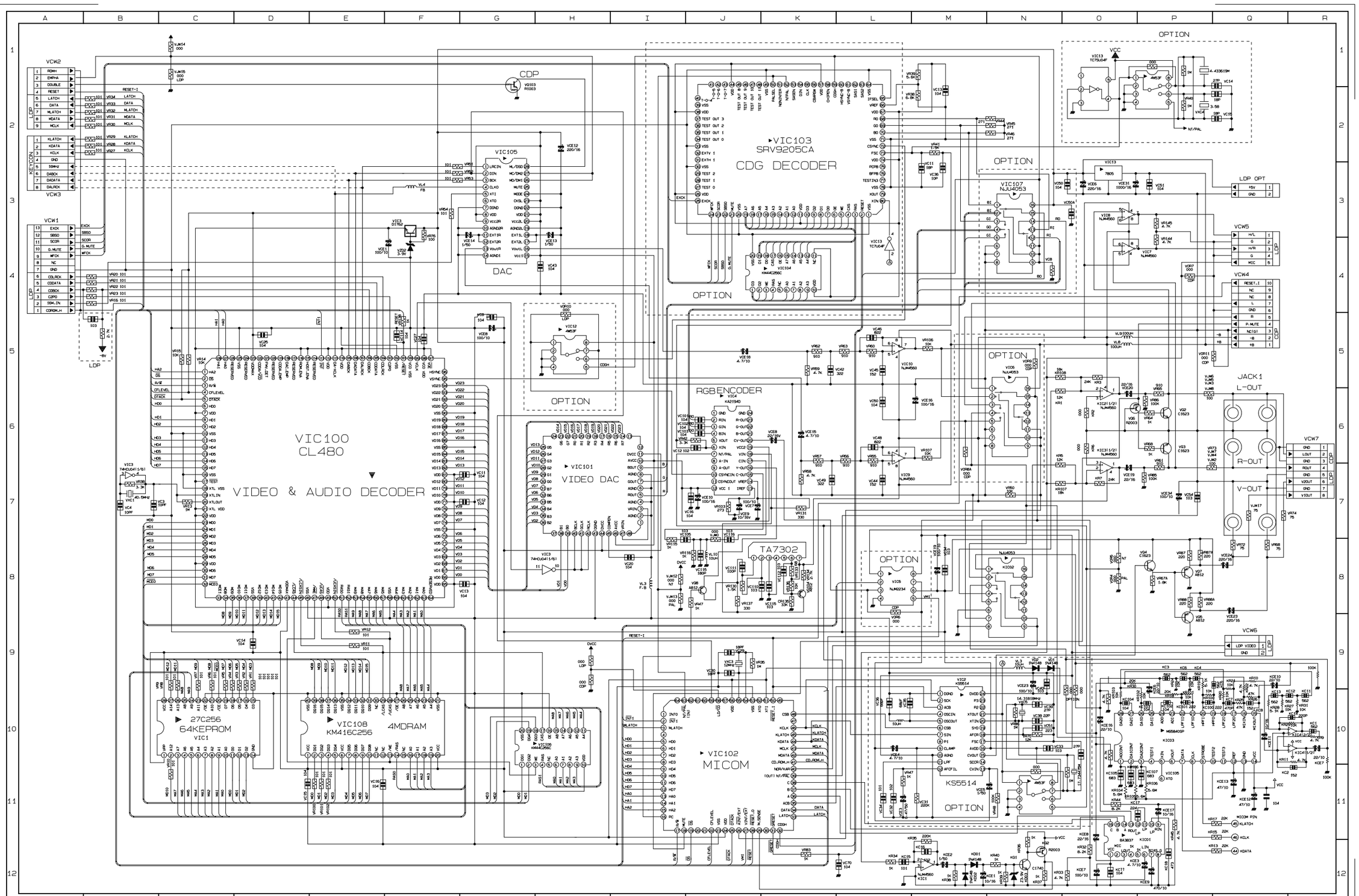

94.09.05
P/U DECK PCB
SCW1
TILT LED
TILT IN
TILT OUT
TILT G
APC VR
SLIDER MOTOR
TRAY/TILT MOTOR
SIC6 KA9421 S.S.P
EFM/ASY
DEFECT
CD/LD
CONTROL LOGIC
FOCUS TRACK SLIDE TILT SERVO
SWITCH SCAN CURREN
SPINDLE SERVO
MICOM INTERFACE
FREQ DIVIDER
SLIDER
FOCUS
TILT/TRAY
TRACKING
TILT BLOCK
APC
LDON
to AUDIO
to SPINDLE
to VIDEO
to MICOM
RF SIGNAL
FOCUS
SLIDER
TRACKING
TILT

3-5 NT/PAL


Y__OUT
C__OUT
from VIDEO
<VIDEO OUT>
from POWER
<+5V(A)>
<-5V(A)>
<GND(A)>
VIDEO IN
from u-COM
<NT/PAL>
VJW42
JUMP(OPTION)
VC93
10/16
NC32
10/16
NIC1
NJM2233BP
NC16
103
C1623
NQ01
NR21
1K
NFL4
ELT10Z566
NR14
1.8K
NC01
56P
<3.58M BPF>
NR15
1K
NC30A
103
VL14L
10uH
NC11A
180P
NR17 1K
NR07
10K
NR04
1.8K
NR05
100K
NVR4
500B
(Fo)
NC22
1/50
NC24 104
NC05 103
NVR5
20KB
(HUE)
NR08
4.7K
NR06
4.7K
NC02
18P(CH)
NC03
22(CH)
NX2
3.579545M
NR09
15K
NVR3
10KB
(Bf)
NR03
18K
NC21
4.7/50
NIC3
CXA1228S
GND
Y-SYNCOUT
BF OUT
ACK TC
TP ADJ
VCC1
VCC3
APC TC
HUE ADJ
VXO2
VXO1
G3
SC OUT
TC1
V IN
TC2
ACC TC
CHR IN
CHR ADJ
VCC2
CHR OUT
DLA BIAS
DAL IN
YOUT
B-YOUT
R-YOUT
GND2
NC11
103
NR11
390K
NR02
1.8K
NVR2
1KB
(YL)
NR01
470
NC08
473
NC20
22/16
NC07
473
NR10
180K
NC24
0.47/50(NP)
NC23
47/16
NC09
103
NC06 104
NR13
12K
NVR1
5KB
(CL)
NR12
8.2K
VR112
2.2K
VR114
100
VR111
100
VQ28
A812
VQ29
C1623
VQ30
C1623
VR118
68
VR117
1K
VR116
1K
VR115
1K
SUPER
JACK
VQ31
C1623
VC54
180P
VQ33
C1623
VR119
470
VC55
103
VR120
1K
VL14
10
VR121
470
VC56
223
VR122
68
H:NTSC4.43
L:PAL
NIC2
CXA1229P
GND1
R-Y IN
B-Y IN
Y-IN
XO OUT
XO IN
NTSC/PAL
AUDIO IN
AUDIO OUT
CSYNC IN
CSYNC OUT
VCC1
GND2
R OUT
G OUT
B OUT
V OUT
VCC 2
Y IN
CHRIN
Y OUT
CHR OUT
V REF
I REF
NC25
1/50(NP)
NC26
1/50(NP)
NC27
1/50(NP)
NC10
30P(CH)
NX1
4.433619MHz
NCTC1
50P
NR16
15K
NR18
4.7K
NC14
103
NR20
1K
NR24 1K
NC12
104
NR23 1K
4.43M BPF>
NC13
103
NR19
27K
<1%>
NC28
47/16
NC29
10/16
VL14N
10uH
NC13Z
130P
NR22
1K
NC15
103
NC30
47/16
NTSC4.43
SW8
PAL

3-6 POWER


PCW6
GND
+14V
-14V
LD/CD
MTR
SP+
SP-
SP ON
P/ON
+5V
GND(F)
K2
K1
K0
S3
S2
S1
FG
CURRENT DRIVE
PQ7 D560
PR17 1K(1/4)
PR16A 2.2K(1/4)
PCE15A 100/50V
PCE15 100/50V
-14V
+14V
+5V(F)
Power-On
PD3 IN4001
PD2 IN4001
PCE9 470/25V
PD4 IN4001
PZD2 5.6V
PR5 3.3K(1/4)
PD5 IN4148
SW PQ5 2SC945
PR4 47K
PR3 2.2K(1/4)
PCE8 10/25V
PCE10 47/25V
PBD1 PBL403
PCE1 6800/25V
PCC1 103
PCE7 1000/10V
PCC2 103
PCE2 6800/25V
PIC2 7908
PR61 27K
1K PR62
PQ2 2SB1185
PQ3 2SB1185
CURRENT DRIVE
PF7
PJW57 000
PCE14 220/10V
PCC6 103
POWER TRANS (66*30)
220V
0V
+12V
-12V
GND
+8V
-8V
GND
AC3.9V
AC3.9V
GND
-28V
PF4 125V/T3.15AL
PF3 125V/T3.15AL
PF6 PJW54 000
PF5 PJW55 000
PCEA 472
27uH PCCA
27uH PCCB
472 PCEB
PF1 0.5A/250V
PR1 2.2M (1/2W)
PR2 4.7K(1/4)
PZD1 UZP-12B
PCE5 100/50V
PD1 IN4001
PBD2 PBP203
PCE21 6800/16V
PCE3 10000/16V
PCE4 10000/16V
PIC3 7805
PCC4 103
PR6 4.7K
PR8 1K
AMP MC4558 PIC4(1/2)
PQ1 C1740 DRIVE
PR13 1K
PR12 22
PR14 22
PR11 4.7K
PR7 470
PCE11 47/10V
PCC3 103
PCE12 47/10V
PR9 470
AMP MC4558 PIC4(1/2)
PQ6 A933 DRIVE
PCC5 103
PR15 1K
PR10 4.7K
PQ4 2SD1762 DRIVE
PF8
PJW56 000
PR60 2.2K(1/4)
PCE13 220/10V
PCC7 103
PCW2
13 MUTE(AUDIO) 13
12 GND(8V) 12
11 GND(A) 11
10 -5V 10
9 +5V(A) 9
8 +5V(D) 8
7 +8V 7
6 -8V 6
5 GND(D) 5
4 AC 4
3 AC 3
2 -33V 2
1 S/W CTL 1
PCW4
2 S/W CTL 2
1 GND(D) 1
PR57 150
SW PQ18 KSA933
BLED1 SLR34VR
PR41 1K
PD18 IN4148
PD17 IN4148
PSW2
PSW3
PSW4
PSW5
PD16 IN4148
PR32 820(1W)
PR33 820(1W)
PR16 820(1W)
PR27 820(1W)
PR30 820(1W)
PR31 820(1W)
PR28 820(1W)
PR29 820(1W)
PCM19 473
PR22 56
SW PQ12 B1185
PD10 IN4002
PR24 56
SW PQ14 D1762
PD12 IN4002
PCM16A 473
PD15 IN4002
PR23 56
PCM20 473
SW PQ13 B1185
PD11 IN4002
PR25 56
PCM17 473
SW PQ15 D1762
PD13 IN4002
PD14 IN4002
PR21 5.6K
PR20 5.6K
PD7 IN4002
PD8 IN4002
PD9 IN4002
PD6 IN4002
SW PQ11 C1740
SW PQ10 A933
SW PQ9 C1740
SW PQ8 A933
PR26A 3.3K
PR26B 3.3K
PCE16 47/50V
PCM21 473
PCM16 473
PL2 A1151-0025
PCW5 5267-02
M+
M-
47/50V PCE17
PR39 1(1W)
PR40 1(1W)
PR38 1K
PR37 1K
PCM12 103
PCE19 47/25V
PCM15
PCM18 103
PR45 12K
PR36 10K
PIC5(1/2) MC4558 AMP
PR35 10K
PR44 1K
PCM11 104
PCE20 47/25V
PCM14 103
PR34 12K
PCM13 103
PR42 4.7K
PR43 4.7K
PCE18 47/10V
BUFFER PIC(1/2) MC4558


2/4 VIDEO CIRCUIT DIAGRAM
VIDEO SIG
RF SIG
PAL OPTION
SUPER BLOCK
DELAY LINE
DELAY
3.4M BPF
[VIDEO PHASE CAMPANSATION] BLOCK
[AMP & DE-EMPHA]
OPTION CIRCUIT BLOCK
VIC8 Z86128 CAPTION IC
VIC4 COMPARATOR
AMP(6dB)
B.P.F
VIC3 KA9414D A.V.S.P IC
FREQ DROP-OUT DETECTOR
FM DEMODULATOR
FM LIM
DO DELAY
PULSE GEN
NOISE CANCELLER
MIXER
VIC2 KA9413(DVSP)
A/D INTERFACE
CLEAR SCAN
LPF
VIDEO DAC
BPC DECODER
BPC SEP.
CHR. CHB
OSD
TBC RAM CONTROL
DTBC RAM 8#910 BIT
WRITE ADDR. GEN.
READ ADDR. GEN.
COLOR BACK GEN (BSC. CSYNC BP H. V. BLUE)
CHROMA DOUT CONTROL
DROP-OUT DETECTOR
RF IN
DIGITAL NOISE REDUCER
CHROMA BPF
SYNC SEP.
CLOCK GEN.
MICOM INTERFACE
TBC CLOCK GEN.
VIC1 KS0118 (GENLOCK)
INVERTER
TO MICOM
C/S
SO
STB
ATTN
TX/RX
SO
ACK
IRQ
SENSE
DI07
DI06
DI05
DI04
DI03
DI02
DI01
DI00
RESET
VS
JUMP
DVSP_LATCH
SCLK
SDATA
TO SERVO
RF COR
PBHD
HREF
C_SINC
4FSC
HS
SIC6144, SIC2171
SIC6145
SIC6143
SIC6142
SIC2181
RF VIDEO
(TO SERVO SD13C)

3-8 VIDEO - CD (Only DV532KV)